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Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. Asbestos Canada's Asbestos Institute disputes EPA's proposed asbestos ban N Johnson & Johnson asbestos suit. Supreme Court ruling	Aug July Oct Aug Sep July	1 13 1 1 1 23 1 15 2 6 5t 17	15 56 48 54 56 40	on field test of pseudorables vaccine. N Belgium — UCB will start an electronics subsidiary. — UCB will start an electronics subsidiary. — Will start an electronics subsidiary. — Will start an electronics subsidiary. — Will start an electronics will be subsidiary. — Will petroleum will produce BTX. — N Imports-exports: Chemicals roll as dollar tumbles (table). — Monsanto loses a round in benzene-based leukemia case. — Prices N July 94-7, N July 23-24. — Beverages — Decaffeinating coffee: new troubles for methylene chloride. — N Bioassay Testing see Testing Biochemicals Eastman Kodak and Engenics undertake program to develop nutritional biochemicals. — N Market for biochemicals showing rapid growth. — T Cell Sciences enters products distribution agreement with Boehringer Manheim Biocheminger N R	Dee Dee Jul	1 8 g 13 c 3 c 24 c 17 ly 2	28 18 8 6 56 44	ture in Brazil. Renergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Química. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build tertilizer plant in Argentinia. N Pharmaceutical sector faces losses. N Polyester plant will be restarted by a joint venture. PVC demand triggers more imports. Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. N Rhodia Poulenc buving Unjohn N Rhodia Poulenc buving Unjohn N	Octi Aug July Non Octi Aug Non Octi Sep	9 6 7 30 7 26 7 19 8 8 9 20 7 19 1 29 1 17	101 40 28 77 40 27 32 28 33
Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. Asbestos Canada's Asbestos Institute disputes EPA's proposed asbestos ban	Aug July Oct Aug Sep July Aug	1 13 1 1 1 23 1 15 2 6 5t 17	15 56 48 54 56 40	on field test of pseudorables vaccine. N Belgium — UCB will start an electronics subsidiary. N Benzene Hill Petroleum will produce BTX. N Imports-exports: Chemicals roll as dollar tumbles (table). Monsanto loses a round in benzene- based leukemia case. Prices N July 9-47. N July 23-24. Beverages — Decaffeinating coffee: new troubles for methylene chloride N Bloassay Testing see Testing Biochemicals Easiman Kodak and Engenics undertake program to develop nutritional bio- chemicals. N Market for biochemicals showing rapid growth. See See See See See See See See See Se	Oct Aug Dec De Jul Au No	1 8 g 13 c 3 c 24 c 17 g 2 g 13 g 13 g 13 g 13 g 13 g 13	28 18 8 6 56 44 30 5	ture in Brazil. Renergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Química. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build fertilizer plant in Argentina. N Pharmaceutical sector faces losses. N Polyester plant will be restarted by a joint venture. PVC demand triggers more imports. Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. N Rhome-Poulenc buying Upjohn ob Brasil. Styrene: Brazil looks to the U.S. Gulf Styrene: Brazil looks to the U.S. Gulf	Oct Aug July Non Oct Aug Non Oct Sep Oct July	9 6 7 30 7 26 7 19 8 20 7 19 1 29 1 7 29	101 40 28 77 40 27 32
Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. Asbestos Canada's Asbestos Institute disputes EPA's proposed asbestos ban N Johnson & Johnson asbestos suit. Supreme Court ruling	Aug July Oct Aug Sep July Aug Aug Sep Sep Sep Sep Sep Sep Sep Se	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 56 48 54 56 40 64	on field test of pseudorables vaccine. N Belgium — UCB will start an electronics subsidiary. N Benzene Hill Petroleum will produce BTX. N Imports-exports: Chemicals roll as dollar tumbles (table). Monsanto loses a round in benzene- based leukemia case. Prices N July 94-7. N July 23-24. Beverages — Decaffeinating coffee: new troubles for methylene chloride N Bioassay Testing see Testing Biochemicals Eastman Kodak and Engenics undertake program to develop nutritional bio- chemicals. N Market for biochemicals showing rapid growth. See See See See See See See See See Se	Oct Aug Dec De De Jul Au No Au	1 8 g 13 c 3 c 24 c 17 yy 2 2 g 13 ov 5 g 13 g 27	28 18 8 6 56 44 30 5 14 38	ture in Brazil. Benergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Quimica. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build fertilizer plant in Argentina. N Parmaceutical sector faces losses. N Polyester plant will be restarted by a joint venture. PVC demand triggers more imports. Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. Rhône-Poulenc buying Upjohn do Brasil. Styrene: Brazil looks to the U.S. Gulf Coast for styrene.	Oct Aug Non Oct North Sept Oct July Dec Sept Sept Sept Sept Sept Sept Sept Sept	9 6 7 30 26 7 26 8 9 1 8	101 40 28 77 40 27 32 28 33 5
Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. **Asbestos** Canada's Asbestos Institute disputes EPA's proposed asbestos ban	July Oct Aug July Aug July Aug July Aug July Sep July No.	13 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 56 48 54 56 40	on field test of pseudorables vaccine. N Belgium – UCB will start an electronics subsidiary. N Benzene Hill Petroleum will produce BTX. N Imports-exports: Chemicals roll as dollar tumbles (table). Monsanto loses a round in benzene- based leukemia case. Prices N July 24-7, N July 23-24. Beverages. — Decaffeinating coffee: new troubles for methylene chloride. N Bloassay Testing see Testing Biochemicals Easiman Kodak and Engenics undertake program to develop nutritional bio- chemicals. Market for biochemicals showing rapid growth. T Cell Sciences enters products distribu- tion agreement with Beckminger Man- heim Bio Chemicals Div. F Biomass. — Stake Technology wins list sommercial sales for biomass process. N Biopolymars. — Gist-Brocades and Shell discuss joint venture. N	Oct Aug Dec De De Jul Au No Au	1 8 g 13 c 3 c 24 c 17 g 2 g 13 g 13 g 13 g 13 g 13 g 13	28 18 8 6 56 44 30 5	ture in Brazil. Benergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Quimica. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build fertilizer plant in Argentina. N Parmaceutical sector faces losses. Polyester plant will be restarted by a joint venture. PVC demand triggers more imports. Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. Rhône-Poulenc buying Upjohn do Brasil. Styrene: Brazil looks to the U.S. Gulf Coast for styrene. TDI production boost. TDI production boost.	Oct Aug Non Oct Sep Oct July Dee Sep No	30 / 30 / 26 / 30 / 26 / 39 20 / 19 29 / 19 129 / 16 / 17 16 / 22 / 24 / 35 / 5	101 40 28 77 40 27 32 28 33 5
Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. **Asbestos** Canada's Asbestos Institute disputes EPA's proposed asbestos ban	Aug July Oct Aug Sep July Aug Nov Aug	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 56 48 54 56 40 64 5 5 50	on field test of pseudorables vaccine. N Belgium — UCB will start an electronics subsidiary. N Benzene Hill Petroleum will produce BTX. N Imports-exports: Chemicals roll as dollar tumbles (table). Monsanto loses a round in benzene- based eukemia case. Prices N July 94-7, N July 23-24. Beverages — Decaffeinating coffee new troubles for methylene chloride. N Bioassay Testing see Testing Biochemicals Eastman Kodak and Engenics undertake program to develop nutritional bio- chemicals. N Market for biochemicals showing rapid growth. T Cell Sciences enters products distribu- tion agreement with Beehringer Man- heim Bio-Chemicals Div. R Biomass — Stake Technology wins first commercial sales for bormass process. N Biopolymers — Gist-Brocades and Shell discuss joint venture. N Biotechnology	Aug Dee Jul Aug No Aug Dee Dee Jul Aug Dee Dee Dee Dee Dee Dee Dee Dee Dee De	t 8 g 13 c 3 c 24 c 17 y 2 g 13 g 13 g 27 g 17	28 18 8 6 56 44 30 5 14 38 71	ture in Brazil. Renergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Quimica. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build fertilizer plant in Argentina. N Pharmaceutical sector faces losses. N Polyester plant will be restarted by a joint venture. PVC demand triggers more imports; Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. N Brame-Poulenc buying Upjohn ob Brasil. Styrene: Brazil looks to the U.S. Gull Coast for styrene. Tol production boost Unipar seeking approval for petrochemic	Oct Aug Non Oct Aug Non Oct Sep Oct July Der Non Sep	30 / 30 / 26 / 30 / 26 / 39 20 / 19 29 / 19 129 / 16 / 17 16 / 22 / 24 / 35 / 5	101 40 28 77 40 27 32 28 33 5
Arsenic — ASARCO dismantling arsenic unit at Tacoma, Wash. copper smelter. **Asbestos** Canada's Asbestos Institute disputes EPA's proposed asbestos ban	Aug Oct July Oct Aug Sep July Aug Aug	1 13 1 1 1 23 1 15 6 50 17 16 17 19 27	15 56 48 54 56 40 64	on field test of pseudorables vaccine. N Belgium – UCB will start an electronics subsidiary. N Benzene Hill Petroleum will produce BTX. N Imports-exports: Chemicals roll as dollar tumbles (table). Monsanto loses a round in benzene- based leukemia case. Prices N July 24-7, N July 23-24. Beverages. — Decaffeinating coffee: new troubles for methylene chloride. N Bloassay Testing see Testing Biochemicals Easiman Kodak and Engenics undertake program to develop nutritional bio- chemicals. Market for biochemicals showing rapid growth. T Cell Sciences enters products distribu- tion agreement with Beckminger Man- heim Bio Chemicals Div. F Biomass. — Stake Technology wins list sommercial sales for biomass process. N Biopolymars. — Gist-Brocades and Shell discuss joint venture. N	Occident August	1 8 g 13 c 3 c 24 c 17 yy 2 2 g 13 ov 5 g 13 g 27	28 18 8 6 56 44 30 5 14 38	ture in Brazil. Benergy protocol signed with Argentina. N Environmental chief, Paulo Nogeiro Neto resigns. EDN purchases PS unit from Dow Quimica. Ethylene-based petrochemical complex. Brazilian companies vie for stakes in a buildup. Fertilizer imports expected to rise. N How lower oil prices affect Latin Amer- ica. Joint venture with Argentinian interests to build fertilizer plant in Argentina. N Parmaceutical sector faces losses. Polyester plant will be restarted by a joint venture. PVC demand triggers more imports. Brasivil Resinas Vinilicas seeking per- mission to build complex. N Rhodia plans polyester film plant. Rhône-Poulenc buying Upjohn do Brasil. Styrene: Brazil looks to the U.S. Gulf Coast for styrene. TDI production boost. TDI production boost.	Oction Non-Oction Oction Octio	30 6 7 30 7 26 7 30 7 30 8 8 9 20 7 19 10 29 7 16 17 17 18 22 20 17 17 18 22 20 20 30 30 50 30 50 30 50 30 50 30 50 30 50 30 50 50 50 50 50 50 50 50 50 50 50 50 50	101 40 28 77 40 27 32 28 33 5

Disparate stages mark toxiç waste	Sept	3	23	Caprolactam — DSM invests in capro-	Nov	5	32	Alloys of ceramics and metals: Martin Marietta gets contract for metal-based			
control	Copt	3	23	lactam N Carbohydrates — Sweeter prices for EC				XUTM composites N	Nov 1	19	25
chemicals: In the shadow of the oil price decline (chart & table)	Sept	3	30	carbohydrates	Nov	19	54	Asahi Glass develops aluminum nitride	Oct	8	21
Bromine — Dow's bromine chemicals				Carbon				ceramics		15	34
business to be sold to Ethyl N A good bromine deal for Ethyl and	Sept 1		7	Molecular electronics. Carbon aims to dethrone silicon (diagrams)	July	30	32	Composites bite into new applications: dental restorative market	Aug 2	27	43
Dow	Sept 2	24	20	UC puts electrical carbon business up	-			Du Pont to acquire ceramic packaging			
Butadiene				for sale N UC to sell electrical carbon business	Sept	3	5	business, IC Packages	July Sept	16	5 34
El Paso Products sells butadiene plant				to Morgan CrucibleR	Nov	19	22	Olin and Asahi Glass joint venture in elec-	John	**	34
at Corpus Christi, Tex. to Corpus Christi PetrochemicalN	Sept	10	17	Carbon Black — Phelps Dodge diversifies into carbon black with purchase of				tronic ceramics to produce thick-film ceramic substrates	Sept :	24	5
Surfeit weakens pricesN	Aug	13	18	Columbian Chemicals	Nov	19	5	Rhone-Poulenc expands ceramics activi-			
Butane				Carbon Dioxide				Ultrasonic method finds flaws in ceramic	Nov	5	32
Butane may make Reppe chemicals: Standard Oil Chemical contract with				Airco building liquid carbon dicxide plant	0-4	00	45	powders	Oct	15	44
Davy to study facilityN	Dec	10	20	at Baltimore, Md N Supply disruptions crimp CO ₂ profits	Oct	29	45 46	spiralingN	Nov	19	5
Sohio explores butane uses: new route to Reppe chemicals substitutes butane				Carbon Monoxide — SwRI tests: In a fire, worry less about HCl than about CO N	July	23	50	Chelating Agents — Prices N Chemical Industries Assn. — U.K. chemi-	Sept	3	51
for acetylene	Dec	17	9	Carboxymethyl Cellulose — Hercules' CMC				cals: In the shadow of the oil price de-			
capacity in the U.S N	Dec	10	31	expansion	Sept	3	17	cline (chart & table)	Sept	3	30
				electronics. Carbon aims to dethrone				Chemical Industry Council of Illinois			
Butanol makers tighten prices	Oct	8	7	silicon (diagrams)	July	30	32	Joliet is ready for the worst: joint emer-	habe	20	45
Butanol makers tighten prices	Sept		62	Carpets				gency response program Putting up more money for less waste .	July	30 24	15 26
UC will double butanol capacity at Texas	Oct	1	24	Nylon fiber makers roll out stain-resistant carpets N	Oct	8	41	Chemical Industry Institute of Toxicology			
City	OCI		44	Sales boost demand for nylon fiber N	Nov		48	CIIT: Not for spectators — Viewpoint	July	30	3
alkylphenols plant onstream at Free- port, Tex	Oct	15	25	Carter, Leigh, president and COO of BFGood- rich: A new president for a 'new' Good-				Letter CIIT considers changing its name and		27	4
Butyraldehyde — Exports pick up: Butanol				rich	Oct	8	30	its image	Oct	15	41
makers tighten prices	Oct	8	7 .	Case Western Reserve Univ.				Chemical Manufacturers Assn.			
boyoto dollo (copplotton)	00.			Liposome research: New paths for drug				Annual Chemical Industry Conference			
				delivery: treatment for the lethal com- lications of AIDS	luder	20	20	(36th)			
•				Molecular electronics. Carbon aims to	July	30	28	The view from the Palmer House — Viewpoint	Nov	26	3
C				dethrone silicon (diagrams)	July	30	32	An upoeat future for chemicals	Nov	26	10
								Bubble policy: Putting a bubble over pollution.	Dec	3	13
C ₄ s — Sohio explores butane uses	Dec	17	9	Catalysts				CHEMTREC has a HIT (Hazard Informa-			
Calcium Chloride — Upgrading calcium chloride deicers with Verglimit N	Nov	12	21	CRI International's miniature refinery will develop catalyst know-how N	Nov	5	26	tion Transmission)	Sept	11	18
Cameroon — French government sends				Catalytic converters: Degussa ends a low-profile era in U.S.	Con	. 04		HIT — Viewpoint	Sept		3
disaster specialists to assist in dealing with the aftereffects of the volcanic				Engelhard will churn out more FCC, auto	Sep	1 24	32	Clean water forces mobilize N Community Awareness Emergency Re-	Dec	17	78
explosion N	Sept	3	18	catalystsN	Oct	15	5	sponse program: Company community			
Canada				FCC catalysts: growth and change N Grace gears up for German catalyst pro-	Aug	21	38	relations — Facing up to the new challenge.	July	16	28
Asbestos Institute disputes EPA's pro-	L.L.	00	50	duction: Feldmühle-Grace will operate	Mari	. 00	-	CAER emergency drills: Just in case			
posed asbestos ban N C-I-L delays reopening ammonia plant . N	July		56 43	plant	NOV	26	5	the worst case happens	Nov	19	43
Celanese Canada reviews its methanol				sition of Nalco's stake in Kataico N	July	16	5	Joliet, III. emergency response pro-	halar	20	16
operation	Oct	8	28	Kaiser Chemical's triple consolidation: Kaiser/Harshaw/Filtrol	Nov	19	26	Conrail's proposed sellout jumps the	July	30	15
at Aurora, Ont N	Oct	15	5	Kaiser/Harshaw/Filtrol	lede	. 10	24	tracks	Sept	3	6
Magnesium plant will be built by Norsk Hydro	Oct	29	27	metal vapor chemistry	July	16	34	EPA's report on waste minimization: Division over waste reduction	Nov	12	12
Hydro N NH ₃ draws a crowd (chart & tables)	July		26	ment to study catalytic reactions N	Oct	1	26	EPA takes back its rule on wastewater			
Niagara River agreement: Restoring the Niagara's allure	Dec	3	13	Platinum catalyst leads to route for mak- ing primary alcohols from terminal				discharge N For chemicals — a good year and one	July	30	42
Ocelot becomes a victim of a methanol				olefinsN	Sep	1 24	22	to comeN	Dec	17	78
glut: Kitimat, B.C. plant closed N Methanol plant reopened N	Nov		26 21	Polymerization opens doors for liposomes Spent catalysts seek a resting place	Aug	6 10	39	rules are changing the game — report			
Ontario proposes new environmental	Doo	17	71					(charts)		20	26
Patent law to be revised: drug producers	Dec	17	/1	Caustic Soda Brazil to import caustic soda; Salgema				Industry issues	Aug	20	32 45
respond with heavy research commit-	li des	16	11	plans expansion N	Oc	t 8	28	Hindin comments on Superfund	Aug	6	8 58
ments		16		Chlorine: Tight market, tight profits (table) Japan abandons mercury cells: caustic	Sep	ot 10	18	ICC rate guidelines: shippers balk N Phosgene Panel analyzing potential for	Sep	1 3	30
Montreal East N Petromont: Dinsmore steps down as		15	33	soda producers switch to membranes				DOE's new test site for hazardous	lede	. 10	15
president; new president will be Andre				(table)	Jul		101	materials spills	Sept		14
LaPalme	Aug	13	28	Prices: caustic soda solution N	Au		18	Superfund: Almost home free	Oct	8	13
running Petromont N	Nov	26	21	Caustic Soda see also Chlor-Alkali CEFIC — EC producers stress integration:				Tax reform bill: Higher taxes for chemical firms	Aug	27	21
Polysar selects site in North America to manufacture specialty elastomers R		8	15	Loudon at European Section of the Society of Chemical Industry annual				Woburn: 'No winners' in an \$8-9 million settlement	Oct	8	18
Sales and earnings; companies chalk				meeting	Oc	t 22	13	Chemical Marketing Research Assn. — World Chemical Congress: Is there an	001		
up nine-month gains	Nov	12	26	Cell Culture — IMC forms Imcell Products Div. to make serum replacement prod-				'identity' crisis in the chemical industry?			
power rates are key to plant's sur-			00	ucts	No	v 12	5	(table)	Sep	t 24	65
vival	Sep	t 24	62	Cellophane — Flexel becomes sole U.S. producer of cellophane with purchase of				Chemical Specialties Manufacturers			
stockpilesN	Aug	13	18	Du Pont plant N	Jul	y 9	47	Assn.			
U.SCanada free trade: chemical industry views	Sec	nt 17	56	Cellulose → Stake biomass process wins first commercial customers N	Au	g 27	38	EPA takes back its rule on wastewater	but	y 30	42
Urea-ammonia plant plans resurface N	Dec	3	24	Cement — Lafarge's acquisition of cement		9	00	discharge	Jul		
Cancer				distribution terminal assets on the Great	De	c 17	15	Industry initiatives	Aug	g 20	46
Benzene-based leukemia cases: Mon-		- 04	6	Lakes				Chemical Warfare			
santo loses a round in a benzene case Computer screening of antitumor com-		24	6	to the root of ginseng's power	AU	g 13	19	Bigeye binary bomb: no funds; nerve gas	0-	1 29	50
pounds	Der	c 24	24	for measuring dioxin exposure N	De	ec 10	20	artillery shell gets go-ahead N Congressional warfare on chemical			
nomasN	Sep	ot 17	21					weapons	Aug	g 27	64
Mice may make poor DCM test models .	Dec	c 24	14	Ceramics				STOCKDII@	Jul	y 9	66
NCI's formaldehyde study: Taking heal on a cancer study	Aug	9 6	19	Advanced materials: Airing the health risks — Harvard Univ. symposium	No	v 26	13	Chemical Waste Transportation Council —			
NIOSH, OSHA studies see Labor				Air Products licensing proprietary titanium				Hazardous waste management report: Industry issues	Au	9 20	45
Ortho-phenylphenol gets a clean bill of health from NTP	Aug	g 13	40	carbide CVD technology N Alcoa buys a Ceraver operation in plan		9 0	41				
Pfizer and Oncogene Science sign can cer research agreement		y 16		to leapfrog world competition in				Chemical Week Reports Coatings '86: The big splash from emis-			
Toxics Substances Control Act see Law	Y	, 10	22	ceramic membrane systems Sept 17- 10,	De	c 24	5	sion-free formulations (charts & tables)	Oct	22	30
Tumor necrosis factor (TNF): A new can cer drug on trial	- July	y 2	11	Alcoa forms ceramics company, Inter- con-X	Jul	y 9	23	Environmental issues: All eyes are on California	Oct	22	34
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Options for change: More water, more ser 1s, no solvents	Oct		37	Chlorofluorocarbons World Resources Institute report calls for a one-third reduction in worldwide				CHEMTREC has a HIT (Hazard Infor- mation Transmission)	Sept		18
Film-formers: Winners and losers	Oct	22	43 48	CFC emissions N Worldwide moves to protect ozone	Dec		54 12	HIT — Viewpoint	Sept	17	3
Hazardous waste management: New			26	Chromatography — A supercritical route to compound analysis	July	2	34	responding to emergencies N NOAA's emergency response com-	Dec	3	16
rules are changing the game (charts) How the game is played	Aug			City Univ. of NY., Mt. Sinai School of Medicine — Airing the health risks of	July	2	34	puter system dubbed CAMEO N	Dec :	24	40
Market growth		20	26 28	Medicine — Airing the health risks of advanced materials: Harvard Univ.				Evangelists for technology. Irvin Schwartz — Other views	Nov	5	3
Industry issues	Aug	20 20	32 36	symposium	Nov	26	13	Getting the chemical word out — View- point	Oct	1	3
Box: waste minimization	Aug	20 20	39	Clay				Joliet, III. is ready for the worst: joint	July :		15
Industry initiatives Regulations	Aug	20	45 49	Fly ash improves clay barriers to toxic wastes	Nov	5	26	RFI radiation limits will be set by EPA.	Aug :		14
		20	58	TAC's carbo-chlorination bears fruit: process for extracting high-purity				Telecommunications: OSINET, experi- mental telecommunications network			
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Plastics '86: Passing 50 billion lb/year and still growing (charts & tables)	Dec	17	22	Cleaning — 'Piranha' bath reprocesses sulfuric acid: Athens new system cleans				Company community relations: Facing up to the challenge	July	16	28
Engineering plastics: Increasing com- petition for metals	Dec	17	23	'piranha' baths	Aug	6	46	Getting to the heart of your constituency — Viewpoint	July	16	3
Reinforced plastics: On the fast track	Dec	17	32	Coal					,		
Polyethylene: Still room for growth Polypropylene: Producers are running	Dec		36	Carbon Fuels' liquefaction process: A cheaper conversion for coal	July	30	17	Composites Alloys of ceramics and metals: Martin			
Polystyrene: A new lease on life	Dec		45 49	Clean coal: Acid rain spurs clean-coal research	Nov	12	40	Marietta gets contract for metal-based	Nov	10	25
PVC: A turnaround this year	Dec	17	53	research		6	12	XDTM composites N Arco has new composite for automotive	Nov		
Chemical Wask 300		07		coal projects	Aug	0	12	use, Fiber-Cor N Azdel: A new GE-PPG venture in FRP	Dec	10	31
Profits continue to rebound (tables) Profits are still on the upswing (tables)		27 26	29 22	boilers: cogeneration plant for Schuyl- kill Energy Resources N	Nov	26	16	composites	July	16	7
Chemists' Club				Gasification see Gasification SRI's new technique to study fluidized				BASF plans composites base in Europe	Sept	24	5
Keeping the Chemists' Club at home New York City building sold	Nov	12	49	bedsN	Nov	19	25	Composites bite into new applications: dental restorative market	Aug	27	43
Chile — C-E bids \$340 million in Chile:	Oct	15	16	Coatings				Composites 'get it together'	Nov	26	14
seeking financing for ammonia and urea project keyed to natural gas	Oct	15	14	Alcoa process of electrophoretically coating aluminum cans N	Oct	29	19	Durable ceramic composite NP	Sept	17	32 34
China				Antifouling compounds from coral	July	9	62	Fluoridated dental resinNP Hexcel acquiring Hi-Tech Composites	Nov		44
Bausch & Lomb joint venture in con-				Coatings '86: The big splash from emis- sion-free formulations — report (charts				from J.B.Group	Aug	20	12
tact lenses	Aug		17	& tables)	Oct	22	30	Hitco is on the block	Sept	10	14
plant	Sept	24	54	on CaliforniaOptions for change: More water, more	Oct	22	34	struction of Center for Composite			45
ceuticalsN	Aug	13	30	solids, no solvents	Oct	22	37	Materials at Univ. of Delaware R New polymers enter a competitive	Sept	10	15
Dow's new technology licensing pact for PS plant	July	9	25	Emerging technology: Powder, radi- ation curables		22	43	PBZ: A class of polymers unto itself	Oct	15	10
new tack in financing: China takes a	Dec	3	24	Conductive coatings: EPA will set RFI	Oct	22	48	Polymer alloys and blends: On the track			6
Foreign investment in food processing projects edging out other CPI invest-				radiation limits	Aug	20	14	of new polymer blends (table) UC sells engineering polymers and ad-	July	10	0
ments N	July	22	31	50% of stock of Dufay Litanine H	Aug	6	20	vanced composites businesses to AmocoR	July	2	14
Membrane cell technology licensed . N Mobil signs lube oil deal R NH ₃ draws a crowd (charts & tables)	July	30	28 19	Grace acquires European coatings companyN	Aug	27	7	Computer and Business Equipment Manu- facturers Assn. — Resin suppliers await			
NH ₃ draws a crowd (charts & tables) Offshore gas may fuel new projects N	July	16	26 22	High-temperature coatings from AremcoNP	Sept	17	34	personal computers' rebound (chart)	July	23	8
Reichhold's emulsion polymers tech- nology licensed	Aug	13	14	ICI moves in on U.S. paints and coat-			-	Computers			
Scientists study ancient herbs: Upjohn	riug	,0		ings; acquires Glidden Coatings & Resins (chart)	Aug	27	13	ACS helps swell the tide of on-line data bases: Chemical Journals Online,			
will analyze 10 medicinal compounds from China	Aug	20	16	Japan expects increased demand for coatings	Sept	24	54	computerized data service (table)	Sept	24	6
	Dec	24	34	Monsanto demonstrates adhesives coater	Oct	29	17	Antitumor compound screening with computers could reduce animal test-	_		
Chior-Alkali Capacity utilization dropped in June . N	Aug	27	57	More to coatings than meets the eye	Oct		3	ing	Dec	24	24
Chesebrough-Pond's puts chlor-alkali				Viewpoint				process control	Sept	10	38
plants on the block N Dow and Oronzio De Nora joint venture	Nov	12	5	Statue of Liberty: Chemicals help re-	Nov		14	filter NP	Aug	13	31
for chlor-alkali membrane cell tech- nology	July	30	19	juvenate Miss Liberty (table)	July	2	18	Assn. of American Railroads readies an electronic response to chemical spills:			
Japan abandons mercury cells (table) Membrane processes: New entries vie	July	23	10	faces: joint venture in coatings R	Sept	24	20	ICARIS	Aug		64 29
in chloring technology (chart)	Aug	13 29	22	Synertech's Lubratuff coating scores highR	Aug	20	17	CHEMTREC has a HIT (Hazard Informa- tion Transmission)	Sept		18
Letter Olin KOH Niagara Falls, N.Y. plant goes				World demand for ceramic coatings is spiraling	Nov	19	5	CHEMTREC makes a solid hit — with			
on line	Nov		20	Coffee — Methylene chloride under new attack for its use in decaffeinating				HIT — Viewpoint	Sept		3
- Clarification	Oct	22	21	coffee	July	1 2	44	ICI software	Aug	13	30
Operating rates N Oct 22-60; N Nov 19-48, N Chlor-Alkali see also Caustic Soda; Chlo-	Dec	17	56	polymerized electrochromic compounds				modelingN Emergency response computer system	Aug	6	41
rine				(chart)	Oct	8	29	from NOAA dubbed CAMEO N	Dec	24	40
Chlor/Alkali Producers International — Con- gress may ease up on export trading				Colorado State University Polymerized electrochromic compounds:				GATX has computerized service for rail car data	Dec	24	24
companies	July	9	66	Chemicals that change their color (chart)	Oct	8	29	Harmonized code for classifying imports and exports: Streamlining the paper-			
German chlorate unit N	Aug	13	28	Thrall develops an antidote for antifreeze			26	work of trade (tables)	July	9	8
Chlorination — TAC's carbo-chlorination bears fruit: process for extracting high-				poisoning in petsN Commercial Development Assn. — Meet-	Oct		20	the production of optical disks for			
purity metal chemicals from clay	Oct	8	42	ing on the impact of mergers and acqui- sitions: Restructuring may not be the				computers; will supply polymer for production of compact disks to Opt-			
Chlorine				market panacea	Nov	5	7	rom	Sept	3	18
Chlorine: Tight market, tight profits	Sac	4 10	10	Community relations: Getting to the heart				modeling systems NP Patent and Trademark Office: Automa-	Oct	15	34
Dow shuts some chlorine capacity at		10	18	of your constituency — Viewpoint	July	16	3	tion isn't always more efficient N	July	30	42
Freeport, Tex	July	23	24	Company community relations: Facing up to the new challenge	July	16	28	Piping designs: new aid from Calma . N Polygen and Stellar Computer team up	Aug		38
St. Petersburg, Fla, fed by chlorine- containing granules, foils firemen	Auc	13	12	Emergency response programs Assn. of American Railroads readies				for advanced computer system N Program for molecular design N	Nov	26	16 73
Membrane processes: New entries vie				an electronic response to chemical	Aug	27	64	Resin suppliers await personal com-			8
in chlorine technology (chart)	Oc	13	22	spills: ICARIS N CAER emergency drills: Just in case				Software	July	23	0
Prices N Nov 5-40, N Nov 26-101, N Chlorine see also Chlor-Alkali	De	c 10	31	CAER program guidelines: Basis for	Nov	19	43	Bargain software for evaluating pay- back	Oct	29	19
Chlorine Institute — Chlor-alkali capacity utilization dropped in June N	Au	27	57	Joliet, III. emergency response program	July	30	15	Icarus' software estimates plant costsN	Oct	15	44
			-			-					

Software from Teknowledge: A	Dec	10	20	Costs				Du Pont develops surface antigen test			
'smart' way to assess risk N Software system from ProsysTech:	Dec	10	20	Adsorption delivers low-cost nitrogen: Airco's pressure swing adsorption	Dec	3	30	for hepatitis B	Nov Sept	5	14
dynamic simulation takes over	Dec	10	20	Carbon Fuels' liquefaction process: A				Pfizer and T Cell Sciences team up to		-	-
from steady state N Telecommunications: OSINET, experi-	000	10	20	Cheaper conversion for coal	July	30	17	develop therapeutic products for the treatment of rheumatoid arthritis and			
mental telecommunications network	Aug	27	38	costs N Gypsum needs a resting place: some	Sept	3	34	type I diabetes N	Sept	10	22
gets under way N Waste exchanges: One's waste is				options for disposal of waste gypsum				Pharmacia joins Electro-Nucleonics N Salmonella screening testNP	Sept	12	22
another's raw material	Sept	3	15 30	(table)	Dec		11	Syntex introduces diagnostic test for			
Concrete - Grace's admixture doubles	1404	3	30	Insurance keeps truck costs up	Oct	15	10	gonorrhea based on monoclonal anti- bodies N	Sept	10	22
the strength of concrete N Confederation of British Industry — U.K.	Oct	15	44	Laboratories: National accreditation for				Dichloromethane — Mice may make poor			
chemicals: In the shadow of the oil price				labs? Controversy brewing Maintenance costs rise, but so does	July	30	17	DCM test models	Dec	24	14
decline (chart & table)	Sept	3	30	productivity (table)	July	16	36	exhaust: RAPRENOx process uses heated			
Putting a bubble over pollution	Dec	3	13	Cotton — U.S. fiber makers keep tabs on cotton (chart).	July	16	18	cyanuric acid Diet — Dietary supplement contains EPA	Dec	24	10
		-		Cresol — Fluidized-bed route to ortho-	July	10	10		Sept	17	34
Construction Building codes come under fire: N.Y. to				cresol and 2.6-xylenol from Asahi N	Nov	12	21	Diethylene Glycol Butyl Ether — EPA gets			40
investigate materials for their toxicity				Cryogenics — Air Products to supply cryo- genic equipment, technology, startup				tough on paint ethers Dimethyl Terephthalate — Teijin acquires	Aug	13	12
when burned	July	9	20	services for Nippon Steel air separa-	C	40		Hercules' share of DMT venture N	Oct	15	33
Directory of Worldwide CPI Services				tion plant	Sept	15	15 34	Dioxin			
(1987)	Nov	26	29	Cumene — Imports-exports: Chemicals				Centers for Disease Control reports new assay for measuring dioxin exposure N	Dec	10	20
Part I: Engineering & construction firms	Nov	26	31	roll as dollar tumbles (table)	Dec	3	8	Dow Chemical study on dioxin effects	000	10	20
Company profiles	Nov	26 26	51	tories expands marketing services of				covering 2,192 employees at Michigan Div R	Oct	1	15
Part II: Chemical waste services For chemicals, repairs cushion the	Nov	20	69	custom manufacturing unit and changes name to Salsbury Chemicals R	Oct	15	16	Missouri dioxin contamination suits (3)	OCI		
housing drop (charts)	Oct	22	7		001			Seveso, Italy, report on abnormalities in	Dec	10	18
Consumer Federation of America — Methy- lene chloride under attack for its use in				Cyanide EPA is pressured to investigate cyanide				children exposed to dioxin during 1976			
decaffeinating coffee: suit against FDA				availability: Gorton introduces billN	Aug	13	40	accident	Dec		20
and HHS	July	2	44	The push for more cyanide safeguards	Oct	8	36	Syntex settles dioxin suits R Directory of Worldwide CPI Services (1987)	Dec	26	15
Building a billion-dollar consumer prod-				Cyanuric Acid — Hot acid cuts NO _x from exhaust: RAPRENOx process uses heated				Part I: Engineering & construction firms	Nov	26	31
consumer Product Safety Commission —	Nov	26	98	cyanuric acid	Dec	24	10	Part II: Chemical wastes services	Nov	26	51 69
Proposes rule making proceeding on								Disinfectants — Halamine compounds: A			
methylene chloride	Sept	3	17	_				disinfectant that doesn't 'bite' Distillation — New distillation processes	Sept	17	19
Contact Lens				D				that could lower costs	Sept	3	34
Bausch & Lomb joint venture with								Distribution			
China	Aug	20	17	Dairy Operation — Genetic conversion to				That chemical daisy chain out there -			
medics Intraocular	Aug	13	16	improve the herd N Damon, Edmund H., Pantasote's president	Nov	19	25	Viewpoint	Dec	17	3
Centelmore				and CEO: 'A coach' is Pantasote's new				rapid growth foreseen N	Sept	3	5
Containers Air Products will produce HDPE barrier				CEO . Dehydroepiandrosterone (DHEA) — DHEA's	July	16	24	Univar makes a move for No. 1: acquisi- tion of McKesson Chemical (chart).	Ont		0
containers	Oct	22	21	Dehydroepiandrosterone (DHEA) — DHEA's many promises move toward fulfillment	Dec	10	36	tion of McResson Chemical (chart).	Oct		9
coated with new Alcoa process N	Oct	29	19	Deicers — Upgrading calcium chloride				DNA			
American Can expands plastic con-				deicers with VerglimitN	Nov	12	21	DNA probes: Gene-Probe joins with Wistar Integrated Genetics joins			
tainer output	Aug	27	57	Denmark				with Amoco N Gene-Trak: DNA probe for the detection	Aug	6	41
tainer plant to DRG R	July	2	14	Novo acquires 75% share in Ferrosan . N	Dec	3	24	of Campylobacter N	July	23	50
Monsanto puts container business on	July	30	7	Superfos drops out of Nynaes Energy Chemicals, energy complex in				OECD says r-DNA work is safe N	Nov	19	40
the block				SwedenN	Sep	17	32	Probe that detects tuberculosis N RAC will change its biotech release	July	30	22
Corp	Nov	5	5	Superfos wants South African phos- phateN	Aug	20	67	guidelines N SmithKline markets an r-DNA hepatitis B	Oct	8	50
Petainer ends five-year agreement giv- ing Coca-Cola exclusive rights to a				phate				SmithKline markets an r-DNA hepatitis B vaccine	Dec	10	20
plastic can	Dec	24	34	port South African phosphate N	Aug	21	26	Docosahexaenoic Acid — Dietary supple-			
profits in plastic packaging (table)	Oct	15	38	Dental Applications				ment contains EPA and DHA NP	Sept	17	34
profits in plastic packaging (table) Contraceptives — Dalkon shield case:				Composites bite into new applications: dental restorative market	Aug	27	43	Drugs			
Supreme Court ruling N	Oct	15	48	Fluoridated dental resin NP	Nov		44	Alzheimer's drug treatment — maybe . N	Nov	19	66
Controls				Deoxyribonucleic Acid see DNA				Aminoguanidine: compounds that may prevent arteriosclerosis	July	9	61
Artificial intelligence: Al tackles real- time process control	Sen	t 10	38	Design				Antibiotics see Antibiotics	July	9	01
Digital instruments: New standards for				Computer-aided plant design based on ICI software	Aug	12	20	Anticholesterol drug, lovastatin: Merck applies for clearance	Nov	10	22
smart instruments Honeywell offers more accurate control	Oct	29	28	Computer program for molecular de-	Aug	13	30	Aspirin dispute in Brazil settledN	Oct	1	36
data with direct digital linkN	Sep	1 24	22	sign	Aug	20	73	Bendectin suits will not be decided in			
Process-control equipment: Healthy	Sep		22	Dynamic simulation takes over from steady state: software system offered				federal courts	July	16	40
growth	Sep	1 10	22	by ProsysTechN	Dec	10	20	to be marketed in the U.K. by Syntex. N	July		50
management from Modul N	Oct	8	21	Piping designs: new computer aid from Calma N	Aug	27	38	Brazil extends its protectionism. Brazil's pharmaceutical sector faces	Aug	6	29
Coolants — BASF to purchase Conoco's Zerex antifreeze-coolant businessN	Dec	10	5		rug		00	losses N	Oct	29	27
			-	Desulfurization Industrial Resources' "10-7 Co-Disposal				Bristol-Myers Pharmaceutical Div. formed to market generic drugs	Oct	20	5
Copolymers Japan's Mitsui Petrochemical boosts				Process" for handling sodium FGD				Canada to revise its patent law: drug	Out	20	9
copolymer capacity N	Sep	1 24	54	Unocal route to remove sulfur from	July	9	61	producers respond with heavy re- search commitments	fulse	16	11
PP copolymers: Japanese resin com- pounds for U.S. auto makers N	leale	2	31	Unocal route to remove sulfur from process gases N	Nov	26	16	Cardiovascular drugs: Boehringer Mann-	July	10	11
Ultraform joint venture: A third player in	July	-		Detection — Integrated Sensors Center:				heim and SmithKline Beckman team up.	Dec	24	24
U.S. acetals	Sep	1 3	10	cooperation in research on integrated sensors N	Oct	1	26	Cetus to set up EuroCetus to market	Dec	24	24
of dumping by four East bloc countries. R	Aug	20	17					therapeuticsN	Aug	27	7
Copying Machines — Aunyx may file pos-				Detergents Acrylic acid capacity expands world-				Chinese herbs as a source of pharma- ceuticals	Aug	13	30
sible antitrust suit against Canon over copier toners		16	5	wide: polyacrylates for detergents,				Cold cures: In hot pursuit of a cure for		-	
Corn — Disease control in corn: Molecular				new applications (chart)	Oct	15	6	the cold; Merck and Sterling's anti- virals; Nova trying bradykinin.	Sept	24	49
Genetics and Rhône-Poulenc Agrochimie research agreement	July	30	19	sulfonates: Synthetics vs. coconut				Delivery systems: Lipsome research —			
Cornell University — Abruna comments		50		derivatives N	Oct	1	36	new paths for drug delivery	July		26
on polymerized electrochromic com- pounds (chart)	Oct	8	29	Diagnostics				— Correction	Aug	27	4
Corrosion — Rust inhibitor for plastics NP		12	44	AIDS: Du Pont, Genetic Systems' AIDS tests score highest	feeler	10	40	Delivery systems: Nova licenses Phar-			
				AIDS: Pasteur Institute's suit dismissed. R	July	16	15	matec patented drug carrier that delivers agents to the brain N	Sept	3	34
Cosmetics Nail polish, polymer-based NP	Δ	1 12	31	DNA probe for the detection of Campylo- bacter N				Delivery: Polymerization opens doors	Auc	0	20
Sales: Brighter prospects for cosmetics		13		DNA probe that detects tuberculosis N		30	50 22	for liposomes	Aug		39
and toiletries N	Oct	15	25	DNA probes: Gene-Probe joins with	,,		-	NovaCel N	July	9	5
Skin-treatment products cast a rosy glow (tables)	Dec	24	18	Wistar Integrated Genetics joins with Amoco	Aug	6	41	Denmark's Novo acquires 75% share in Ferrosan	Dec	3	24
					-0						-

Drug diversion hearings continue N Du Pont continues buildup in pharma- ceuticals with agreement to acquire	July		56	Education — A sharper focus in professional training for chemical managers Letter	Sept		44	Synthetic fuels see Fuel World Energy Conference: Two meetings of minds on oil (chart)	Oct	22	14
American Critical CareN EC moves to protect biotechnology	July	16	5	buy Seragen's eicosanoid product line R	Nov	26	15	Engineering AIChE points the way to chemical process			
Export bill: Reagan signs omnibus health	Dec		71	Eicosapentaenoic Acid (EPA) — Dietary supplement contains EPA and DHANP	Sept	17	34	safety: Center for Chemical Process Safety set up	July	30	38
Fermenta: The end of an era; El-Sayed	Nov		110	Elastomers				Artificial intelligence: Al tackles real- time process control			38
will sell his interest to Montedison FDA conference debates drug ques-	July	16	9	Battelle's transparent elastomer: A new see-through rubber looks for work	Aug	27	51	Athens system cleans 'piranha' baths:	Sept		
tions N FDA makes progress against its back-	Oct	8	50	EPDM: Uniroyal and Enichem joint ven- ture in Europe N	Dec	3	5	unit reprocesses sulfuric acid Directory of Worldwide CPI Services	Aug	6	46
log	Dec	3	54	Goodrich to buy Hercules' Herclor epi- chlorohydrin rubber and Parel poly-				(1987) Part I: Engineering & construction	Nov		29
power	Aug	13	19	propylene oxide elastomer busi- inessesN	Sept	10	5	Company profiles		26	31 51
makers	Oct	1	36	Monsanto's international plans for elastomers, Santoprene and Geo-	оорг			Part II: Chemical waste services Membranes: New entries vie in chlorine	Nov	26	69
prices	Oct	22	16	last	July	9	47	technology (chart)	Aug		22
Health bill: Will vaccine sink the health bill? Drug export provisions would	0-4	00		manufacture specialty elastomers R	Oct	8	15	Modar's waste treatment unit: New tech- nology tackles dilute wastes	Oct	1	40
also die	Oct	29	14	RIM polyurethane pushed as a rubber substitute		22	60	Process simulators give improved train-	Oct		24
Upjohn will analyze 10 medicinal com- pounds from China	Aug	20	16	Use in sealing devices is growing N	Oct	29	45	TAC's carbo-chlorination bears fruit:	OU	22	24
Immune-response drug: Geriaco signs product agreementsN	July	9	61	Electric Power Generation Battery power plant in California N	July	30	22	process for extracting high-purity metal chemicals from clay	Oct	8	42
Interferon see Interferon Interleukin-2: Amgen suing Cetus over				Canada: Sodium chlorate plant at Valley- field, Que.; power rates are key to				Brazil's environmental chief, Paulo			
anti-cancer drug patent N Merck and ICI cross-licensing new	Sept	1 3	5	plant's survival N Electrifying plan to kill bugs: Electrofac	Sept	24	62	Nogeiro Neto resigns N Burdick plans to push environmental bills	July	30	29 16
pharmaceuticals, Lisinopril and Statil N	Oct	15	44	method Louisiana Chemical Assn. surveys co-	Nov	5	41	Canada: Ontario proposes new environ- mental fines N	Dec		71
Merck introduces two drugs in U.S.;	001	10		generation	Sept	10	7	CIIT considers changing its name and its			41
Pepcid famotidine for treatment of duodenal ulcers; Noroxin norfloxacin				Utilities eye future demand: NERC review	Oct		9	image . CMA's Annual Chemical Industry Confer-	Oct	15	91
for treatment of urinary tract infec- tions N	Nov		16	and forecast (table)	OCI	29	9	ence (36th): An upbeat future for chemicals	Nov	26	10
Montedison-Fermenta deal hits a snag . N Montedison still wants Fermenta N	Sept		18 37	that change their color; polymerized electrochromic compounds (chart)	Oct	8	29	Coatings '86: The big splash from emis- sion-free formulations — report (charts			
Nasal drug delivery of insulin: Ell Lilly licenses Nazdel technology N	Oct	8	21	Electrolytic — Electrolytic hydrogenation: discussed by UCLA at AIChE meeting . N	Nov	12	21	and tables)	Oct		30
Packaging: FDA sets tamper-proofing rules for over-the-counter drug prod-				Electromagnetic Interference — EPA will set RFI radiation limits	Aug	20	14	on California	Oct	22	34
ucts	Sep	t 24	74	Electronic Chemicals				the eye — Viewpoint	Oct	22	3
maker, Nattermann N Rhône-Poulenc buying Upjohn do	Oct	15	33	Akzo joins two ventures in electronic materials with Kollmorgen N	Oct	8	5	environmental-services unit N Congressional elections: Industry keeps	Sept	10	5
Brasil	Dec	24	5	Du Pont eyes electronic chemicals			5	watch on Washington	Nov	12	13
shock; Xoma's monoclonal and lipid X from Wisconsin-Sandoz	Dec	3	44	maker, ETD Technology N General Chemical: A big producer is back	Oct			Other views EPA pushes criminal sanctions: Derecktor	Nov	5	3
Sterling Drug acquires the prescription	000			in business under its old name	Oct		26	indicted for burying transformers and PCBs at his farm (table)	Cont	17	10
pharmaceutical product line of Schwarzhaupt	Dec	17	15	dethrone silicon (diagrams)	July	30	32	Hazardous waste litigation: The expand-	Sept		16
Swiss drug majors' sales down: currency fluctuations affect Swiss results N	Aug	6	36	Electronics				ing liability net	Oct		14
Tranquilizer Buspar, from Bristol-Myers, gets FDA okayN	Oct	8	50	Belgium's UCB will start an electronics subsidiaryN	Oct	8	28	trol — Viewpoint IEB formed to serve as worldwide clear-	Oct	29	3
Transdermal hormone therapy for meno- pause	Sep	t 24	22	Circuitry kit NP Consortium aims to improve molecular	Oct	15	34	inghouse of environmental informa- tionR	July	30	19
Tumor necrosis factor (TNF): A new cancer drug on trial	July	2	11	modelingN Du Pont acquires electronic materials	Aug	6	41	In the wake of wetlands mining: Brew- ster's Florida phosphate operations			
U.K. chemicals: In the shadow of the oil price decline (chart & table)		t 3	30	supplier Tau Laboratories N Du Pont eyes ETD Technology builds	Sep	24	5	raise environmental questions Just in case the worst case happens:	Oct	15	13
Vaccines AIDS vaccine: A call for cooperation . N		t 3	58	plant to make photomask products . N Integrated Sensors Center: cooperation	Oct	22	5	companies participate in volunteer CAER emergency drills	Nov	19	43
Recombinant vaccine for people will protect against hepatitis B N		30	22	in research on integrated sensors N Molecular electronics. Carbon aims to	Oct	1	26	Laboratories: Controversy brewing over national accreditation for labs	July		17
Rifkin suit against DOD could halt important vaccine studiesN		t 10	48	dethrone silicon (diagrams) Olin and Asahi Glass joint venture in	July	30	32	Netherlands orders inspection of all chemical plants to evaluate "what	July	30	11
SmithKline markets an r-DNA hepa-			20	electronic ceramics N		t 24	5 7	measures are taken to prevent inci-	Dan	04	24
titis B vaccine	Dec	: 10	20	PPG moves into medical electronics. N UC puts electronic components business	Aug			dents of environmental pollution" N OTA focuses on reducing waste (table)	Sept	1 24	31 17
sign licensing agreement for hepatitis B vaccine	Nov	5	14	up for sale	Oct	8	5	RFI radiation limits will be set by EPA Radon is a hot issue for the phosphate		20	14
Will vaccine sink the health bill? Drug export provisions would also die	Oct	29	14	its base in electrophoresis: acquires assets of Biolmage N Employee Benefits — Pensions: EEOC	Sep	t 10	22	industry	Sep	1 10	39 40
Vaccines, animal see Animal Drugs Wellcome and Genetics Institute form				Employee Benefits — Pensions: EEOC proposes costly new pension regs N	Sep	t 24	74	Referendums: How the environment fared at the polls.	Nov	12	16
joint venture for production of bio- technology-based drugs, WelGen				Employment				Small chemical firms: A balance sheet Supreme Court: A crucial Supreme Court	Dec	10	28
ManufacturingN Zambia: Ciba-Geigy pulls out of Zam-	Sep	t 17	32	CMA annual survey N	Dec	17	78	term for the chemical industry Supreme Court going to draw the line	Oct	8	6
bia N Duke University Marine Laboratory — Anti-	Oct	8	28	Gulf Coast chemicals: A gradual drop-	-			between private property rights and EPA authority to clean up hazardous			
fouling compounds from coral	July	9	62	off in employment (chart)OTA favors restrictions on plant shut-	Dec		6	waste sites	Oct	15	48
-				Supreme Court will rule on plant	Sep	1 24	74	Twenty-five years after Rachel Carson — Viewpoint	Aug	20	3
E				closings: to review Maine statute requiring severance pay N	Nov	19	66	Union Pacific's site finder service: en- vironmental permitting resource (chart)			7
"Economic Trends"				Encapsulants — Plaskon buys Morton Thiokol's encapsulantsR	Aug	1 13	14	Waste regulators seek global accord	Dec Sep	1 3	20
Chemical industry leading indicator				Encapsulation — Polymer encapsulation process: Encapsulated pigment for latex				EC nations differ in defining toxic waste	Sep	1 3	20
(chart & table) July 2-16, Aug 6-6, Sept 3-52, Nov 5-17,	Dec	c 3	29	paint	Sep	ot 3	45	control	Sep	t 3	23
Monthly business report (charts) July 16-27, Aug 20-74, Sept 17-50, Oct 15-				Energy				Environment see also Air Pollution; Dioxin; Toxics; Waste Disposal; Waste Utiliza- tion; Water Pollution			
42, Nov 12-52, Monthly production report (charts) July 2-40, July 30-35, Aug 27-8, Oct 1-20,	Dec	c 17	61	Brazil and Argentina sign energy proto- col	Aug	6	36	Environmental Defense Fund - EPA con-			
Oct 29-32, Nov 26-96,	De	c 24	16	Chemical Engineers plump for syn- fuels		22	66	siders lowering level of lead in drinking water: PVC producers' hopes rise as lead			
Quarterly chemical output report (table) Sept 17-31,	De	c 17	67	Chevron's World Energy Outlook: A slow growth in demand for U.S. energy N		16	22	use sinks (table)	Nov	26	10
Quarterly financial review (charts & tables) July 9-48, Sept 24-46,		c 24	29	Monsanto heat-recovery system will debut in H ₂ SO ₄ plant in Norway N		16	22	Environmental Protection Agency Adams, Thomas L., Jr., new enforce-			
Quarterly production forecasts (charts) July 23-36, Sept 3-28, Sept 24-26,				Sweden's Nynaes Energy Chemicals, energy complex, suffers setback:				ment chief	Aug	20	84
Oct 22-64,	No	v 19	60	Superfos drops outN	Sep	1 17	32	(table)	Sep	1 3	12

Asbestos: Canada's Asbestos Institute disputes EPA's proposed asbestos				Ethylene Oxide Ethylene oxide derivatives prices N	Sept :	17	43	Protectionism vs. free trade: GATT talks. Soda ash exports to rise	Sept 2 July	24	14 35
ban N Biotechnology regulation: A framework	July	23	56	OSHA must stiffen the ethylene oxide		6	54	Switzerland's Copechim lines up counter-			
for bioregulation	July	2	10	standardN	Aug	0	24	trade with YugoslaviaN Trading companies: Congress may ease	July	9	25
"Bubble" policy EPA gets its bubble in place N	Nov	26	110	Ethylene Vinyl Alcohol Eval's EVOH plant at Pasadena, Tex. is				up on export trading companies N U.K. chemicals: In the shadow of the oil	July	9	66
Putting a bubble over pollution Budget: proposal to raise EPA's budget. N	Dec	3	13 54	built	Sept :	24	20	price decline (chart & table)	Sept	3	30
Clean Air standards: NO. and particulate	Aug			aging (table)	Oct	15	38	U.S. Canada free trade: chemical in- dustry views	Sept 1	17	56
emissions standards tightened N Criminal sanctions pushed: Derecktor	Nov	12	56	2-Ethylhexanol — Demand from a grow- ing plasticizer market: Butanol makers				U.S. and EC agreement: steel exports to U.S. rise; Common Market will			
indicted for burying to asformers and	Cont	47	10	tighten prices	Oct	8	7	eliminate some quotas R	July	9	23
DOE and EPA strike waste management	Sept		16	Europe				U.S. trade squabbles with Brazil and Japan: the rift widens N	Aug 2	27	64
Dinoseb tests worry EPAN	Aug	13	40 14	Benzene prices	July	9	47	Extraction			
Fluorine in drinking water: NRDC law-	oop			carbohydrates	Nov	19	54	TAC's carbo-chlorination bears fruit:			
suit challenging regulations supported by EPA union	Sept	17	56	EC asked for protection from urea imports by Spain	July	9	25	process for extracting high-purity metal chemicals from clay	Oct	8	42
Groundwater: A long-awaited manual from EPA on groundwater N	Sept	10	48	Spain wins an EC approval R EC considers charges of dumping of	July	23	20	Truex solvent extraction process: A process to downsize nuclear wastes	Dec 2		30
Groundwater guidelinesN	Dec		78	copper sulfate by four East bloc coun-	A	00	.7	process to downsize nuclear was as	Dec /	24	30
Hazardous waste management: New rules are changing the game — report				tries	Aug		17	-			
(charts)	Aug	20	26	to EC specifications	Oct	15	33	F			
list of hazards (table)	July	2	26	and ends duties on some imports N	July	16	33	From Model - United to Book			
posal — Hazardous chemicals				EC moves to protect biotechnology rightsN	Dec	17	71	Farm Market — Herbicides: Poorer pros- pects for corn and soybean herbicides . N	Oct	15	25
Holden, Mo. PCB cleanup: A small town's problem spurs call for big changes in				EC producers stress integration: Euro- pean Section of the Society of Chemi-				Fatty Acids			
PCB legislation	Sept	17	8	cal Industry annual meeting	Oct		13 26	Commodity swings rock U.S. naval stores	0-4		0.7
treatment enters 'a new era'	Oct	29	21	NH ₃ draws a crowd (chart & tables) Resin capacity: Still dropping (chart &		23		(chart)	Oct	1	37
Land disposal rules under RCRA allow for little leniency	Nov	5	12	table)	Nov	5	33	DHÁ NP Reichhold and Hercules may form tall-	Sept	17	34
for little leniency				Resin makers enjoy an upbeat mood — Kunststoff-'86 (K'86)	Nov	19	8	oil venture	Aug	13	5
Environmental Research Laboratory — The quest for 'hungry' genes	Oct	29	38	U.SCommon Market agreement: steel exports to U.S. rise; quotas are lifted . R	July	9	23	Federal Aviation Administration — Radiant- heat test for aircraft flammability N	July	30	42
Niagara River agreement: Restoring the Niagara's allure	Dec	3	13	Waste regulators seek global accord EC nations differ in defining toxic waste	Sept	3	20	Ferric Chloride — As steel falters, chem- icals hold	July	30	18
Paint ethers: EPA gets tough N Permit problems dampen hot disposal	Aug		12	Worldwide moves to protect ozone Europe see also individual countries	Dec	17	12	icals hold	,		
options	July	9	42	European Council of Chemical Manufac-				block N	Aug	6	5
Radon education program planned Risk assessment guidelines readiedN	Sept		40 58	turers' Federation — Mice may make poor DCM test models	Dec	24	14	— Letter	Aug	27	4
Toxic wastes can be cut by one-third says report	Nov		48	Explosions				The benefits of deregulation	Oct	16	13
2,4-D: EPA will take a special look at				Cameroon suffers volcanic explosion:				ICC rate guidelines: shippers balk N	Sept		58
2,4-D safety N Waste minimization report: Division over	Sept	10	48	French government sends disaster experts to assist in dealing with the				World Fertilizer Conference: Fertilizer producers examine a crisis in urea N	Sept	24	62
waste reduction	Nov	12	12	aftereffects	Sept	3	18	Fortilizers			
ferrous metal industry: Supreme Court	0-4		40	little bang with a big potential (diagram)	Oct	1	29	Argentine companies join forces with			
rulingN	Oct	13	48	Union Oil's Chicago refinery amine strip- ping vessel explosion in 1984: NBS				Brazil to build fertilizer plant in Argentina N	Nov		40
Enzymes Angiotensin-converting enzyme, Lisinopril,				investigation finds potential hazards in amine stripping vesselsN	Oct	8	21	Brazil expects fertilizer imports to rise . N DAP: quotas prevent Italy from getting	Oct	8	28
will be licensed by Merck to ICI N Gist-Brocades and Shell discuss joint	Oct	15	44	Explosives — Sweden okays takeover of Nitro Nobel by Dyno Industrier Sverige . N	Dec	17	71	U.S. DAP N Fertilizer producers examine a crisis in	Aug	27	26
venture N	Dec	17	71		000			urea: ICI's Marshall at World Fertilizer			
Insecticides from enzyme inhibitors. N Repligen's enzymes for pulping wood.	Sep	1 17	12	Exports Balance of trade				Conference	Sept	24	62
Esters				A slight drop in the chemical trade surplus (chart & table)	Aug	20	8	loan	Oct	1	36
Reichhold may sell line of esters to Denka	Aug	13	5	Brazil's chemical trade deficit will double	Oct		28	capacity	Oct	22	28
Specialty esters prices N	Oct		24	Butyraldehyde exports pick up: Butanol				sitions with Superfos and Gechem N	Dec	3	24
Ethanol				makers tighten prices	Oct	16	7	Kemira's acquisition of Gechem's fer- tilizer division will increase Kemira's			
Alcohol fuels slip with oil prices: Inter- national Symposium on Alcohol Fuels	Nov	5	9	CMA annual survey	Dec	17	78 8	strength	Dec	10	43
Ethanol's viability fuels dispute	Oct	1	13	Drug export provisions would also die if				tapped for new fertilizer units	Aug	27	50
Federal aid for gasohoi is under fire N Louisiana's ethanol subsidy: more plants		1 3	58	vaccine sinks the health bill	Oct	29	14	Production and shipments: A grim year for U.S. fertilizer suppliersN	Aug	27	57
qualifyN Sweden will design ethanol, ethylene	Nov	19	48	health bill, S. 1744	Nov	26	110	Shipments: Domestic fertilizer ship- ments dwindle slightly N	Nov		48
Sweden will design ethanol, ethylene plants		19	25 12	and ends duties on some imports. N	July	16	33	Sri Lanka wants to unload a fertilizer			
	Aug	13	12	Fibers: Japan moves to mitigate a fiber flap with the U.S N	Oct	15	33	plant	Oct		66
Ethylene Brazilian companies vie for stakes in a				French chemical producers test a busi- ness formula (table)	Dec	3	18	Turkey expects fertilizer production	Oct	15	13
buildup: etriylene-based petrochemical complex N	Nov	19	40	GATT: At least the trade talks got started	Oct	1	48	boomN Turkey will build fertilizer complexN	July		29 33
China takes a new tack in financing for			-	Harmonized code: Streamlining the paperwork of trade (tables)				Fertilizers see also individual fertilizers,	July	10	33
ethylene plant N Consumption up N	Dec	13	24 18	Hazardous waste exports: date is set	July	9	8	Ammonis; Nitrogen; Phosphate etc.			
Feedstocks see Petrochemicals — Feedstocks				for controlling exports N Italian fiber producers welcome renewal	Aug	20	84	Fibers Aramid fibers: Nippon Aramid Yugen			
Inventories: U.S. inventories still	Aug	20	18	of the Multifiber Arrangement N	Aug	13	28	Kaisha to market Enka's Twaron ara-	Dec	24	5
meager N Japanese production down N	Aug		36	Italy's chemical trade goes deeper into deficit	Sept	3	18	mid fibers in Japan N Carbon fibers pilot plant in Japan N	Nov	12	26
Markets: A stronger tone in chemical markets	Oct	15	25	Italy's chemical trade deficit mars a vintage year (charts & table)	Oct	8	22	Carbon fibers precursor, PAN, to be made by BASF at Williamsburg, Va.			
New ethylene plants will not be needed before 1995 N	Sep	t 17	43	Japanese specialty chemicals: The coming wave (tables)	July	9	26	plant	July	16	17
PricesN	Aug	27	57	Japan's chemical trade	July		27	fiber	Nov		48 35
Prices: Ethylene and PE tabs: A tenuous link? (chart)	Nov	12	36	Petroleum: How lower oil prices affect Latin America	Aug	20	77	- Correction	July	16	15
Sweden will design ethanol, ethylene plants	Nov	19	25	Petroleum: UN calls for a ban on oil to South Africa	Nov	26	15	International Multifiber Arrangement expires July 31: trade front heating up	July	16	11
Taiwan: Formosa Plastics gets approval for ethylene plant N		22	28	South Africa N Plastic resins: U.S. trade position weakens — SPI data N	Dec		56	Italian fiber producers welcome renewal of the Multifiber ArrangementN	Aug		28
Ethylene Glycol	001			Polyethylene inches up a nickel: rising	200		50	Italy's chemical trade deficit mars a vintage year (charts & table)	Oct		22
Antidote for antifreeze poisoning in pets N	Oct	1	26	U.S. demand could crimp exports (chart)	July	23	9	A strong showing for Italy's fiber			
Old World Trading to buy Peak antifreeze and related consumer products busi-				Potash: North American potash exports soar	Nov	12	46	makers	Oct		25 24
ness from Enron Chemical	Aug	27	21 34	Propylene: U.S. propylene shipments to Europe resume N	Sept		43	Japan's fiber makers seek market alter- natives (table)	Oct		22
					200						

Nylon fiber makers roll out stain-resistant carpets N	Oct	8	. 41	DeSoto restructuring: plans to sell several specialty businesses N	Oct	8	5	Quarterly financial review (charts & tables) July 9-48, Sept 24-46,	Dec	24	29
carpets				Dexter Chemical is left to a foundation Edelstein's legacy to industry and	Sept	17	25	Reichhold's Emulsion Polymers Div.: Targeting pays off for a Reichhold unit	July	30	37
materials: Fibers with built-in 'anti- freeze'	July	9	20	Dividend hikes reflect growing opti-	Sept		26	R&D: How contract/collaborative re- search is funding biotechnology com- panies' R&D (chart)	Dec	3	12
Polypropylene see Polypropylene U.S. fiber makers keep tabs on cotton	July	16	18	mism	Sept		7	Restructuring may not be the market panacea: Commercial Development	500		
(chart)	Aug		64	Dow bows out of international banking: sells Dow Financial Services Corp.				mergers and acquisitions	Nov	5	7
Japan moves to mitigate a fiber flap with the U.S.	Oct		33	to Royal Trust Co	July	23	49	Rhône-Poulenc considering two restruc- turing moves	Sept		37
U.S. Japanese textile pact for 1986- 89: A 'realistic' trade agreement			-	stock	Sept	10	5	Russians seek U.S. know-how to help	Oct	15	8
for Japanese fibersN Filters & Filtration — Asahi has cheaper	Nov	26	21	Magma Power in common stock R Du Pont seeks a listing on the Tokyo ex-	Aug		16	boost their economic growth: Plan- ning a Soviet-U.S. venture	Sept	24	19
computer filterNP	Aug	13	31	change N Eastman Kodak pulling out of South	July		7	Sales and earnings Second-quarter earnings: A prelimi-			
Financial				Economic outlook: For chemicals, 'a	Nov		5	nary peek	July	2	7
ASME will develop technical economic models	Nov	26	16	pretty good quarter' (table) Economics Laboratory: More stock and	Sept		6	sales stay put, profits rise N Second quarter: For many chemical	July	23	7
Arco Chemical considers more divesti- tures	Aug	6	5	proposed name change to Ecolab N EPA budget: proposal to raise EPA's	Oct		5	majors, latest-quarter earnings jump while sales stay put (table)	July	30	8
head Industries (table)	Aug	13	7	Grace again looks to chemicals for growth (charts)	Aug	6	24	A mixed performance for split-year producers (table)	Oct	15	37
investment	July	30	29	Gulf Coast chemicals: Chemicals ride out the Gulf Coast recession (chart)	Dec	3	6	in third quarter: Earnings are up in a	Oct	22	5
plan	Dec	10	5	Hexcel adopts a shareholder rights plan designed to deter a hostile take-	Dec	9		seasonal slowdown (table) Third quarter: More chemical com-	Oct	29	6
goes to the market	Aug	10	12	over	Aug July	27	22 12	panies post earnings gains N Schulman: A timely switch to plastics	Nov	5	5
tation	July	9	16	Hoechst's proposal to Celanese: 'The ultimate joint venture'	Nov		6	(chart)	July	9	34 20
dollar consumer products business (charts)	Nov	26	98	ICI moves in on U.S. paints and coat- ings: acquires Glidden Coatings &		-		The shape of chemical business in 2001 Viewpoint	Oct		3
Brazil extends its protectionism Business outlook poll: A narrow margin	Aug	6	29	Resins (chart)	Aug	27	13	Small chemical firms: A balance sheet South Africa: Divestment takes many	Dec	10	28
for optimism (CW's Management Advisory Panel survey) (charts)	Nov	19	34	years, with more acquisitions to come (charts)	Nov	5	22	forms	Dec	24	13
Canada: 'Getting on with the job' of run-	July	23	13	IMC restructuring: ICM sheds commodi- ties, opts for biotechnology N	July	9	5	ings rise N Stepan plans higher dividends, additional	Aug	6	5
ning Petromont	Nov	26	21	Is there an 'identity' crisis in the chemi- cal industry? World Chemical Con-				Sterling Drug launches a stock repur-	Nov		5
preliminary plans for new plant and	0		~	gress (table)	Sept		65	chase plan	Nov		5
Cash-flow and capital spending: Dow,	Dec	3	7	vintage year (charts & table)	Oct	8	22	LBOs	Aug		16
Hercules set pace in cash-flow re- bound — CW Survey (table) CdF Chimie's future in doubt following	Sept	17	35	makers Italy's Enichem Fibre: A turnaround N	Oct	8	23 24	Swiss results	Aug	6	36
the government's dismissal of Presi-	Sept	10	37	Japan: Mixed results for three chemical majors	July	23	45	off nearly all assets of USS Chemi- cals; For USS Chemicals: A new	0-4	00	
dent Hug	Dec		15	Japan: The strong yen hurts Japan's chemical companies N	Nov	19	40	name and independenceN UC's bond buyback gets a warm recep-	Oct		5
on Oct. 1	Aug	20	17	Japanese handwriting on the wall — Viewpoint Japanese specialty chemicals: The	July	9	3	UC makes first payment for each of the	Dec	17	3
ical — Fewer vice-presidents, no more matrix management	Dec	10	38	coming wave (tables)	July	9	26	rights it gave the company's stock- holders in March	July	23	20
Forecast: A buoyant midyear forecast for chemicals (table)	July		50	but capital spending is falling How Japan's top 25 chemical com-	July	9	28	buyback	Nov	12	5
Foreign: Coming: CW's top-500 world chemical companies — Viewpoint	Aug		3	panies stacked up in 1985	July	9	30	pany	July	9	5
Foreign: How they rank: The biggest CPI producers abroad (top 100 +) (tables) 'Foreign' investment: A bogeyman —	Aug	6	32	tion plan would make Kaiser a wholly owned subsidiary of holding company				price decline (chart)	Sept	3	30
Viewpoint		10	3	with Alan Clore as chairman N Kaiser Chemical's triple consolidation:	Dec	3	5	products: Profits climb in 1985 (table)	Sept	3	32
Foreign investment in the U.S.: Why	Dec	17	15	Kaiser/Harshaw/Filtrol Kline opens a brokerage shop, Findtech	Aug	19	26 10	U.S. dollar: eff the weaker dollar in Japan and naly	Sept	10	37
non-U.S. companies vie for U.S. chemicals (tables)	Dec	10	6	Koppers moves to buy its own stock . N Mobay restructures its operating units	Dec		5	Venture capital: Venturing entices chem- ical makers (chart)	Nov	12	23
France: Rhône-Poulenc's Fourtou faces denationalization	July	30	12	from eight to seven	July		19	The view from the Palmer House — Viewpoint	Nov	26	3
ness formula (table)	Dec	3	18	with short- and long-term payouts' Montedison: A stronger Montedison fights for profitability (chart & table)	Aug		52	consolidation	Aug	27	7
Another profitable takeover gambit? . N GAF and Carbide opt for peaceful co-	Nov	26	5	Monthly business report (charts) July 16- 27, Aug 20-74, Sept 17-50, Oct 15-42,	July	23	32	offering		12	5
existence	Oct	15	5	Nov 12-52,	Dec	17	61	Fine Chemicals	1401	10	
Russell, Richard R.: A president with		15	26	July 9-54, Aug 13-24, Sept 10-32, Oct 8-17, Nov 12-42,	Dec	10	34	Brazil extends its protectionism Gist-Brocades and Shell discuss joint	Aug	6	29
a penchant for running	Oct	15	27	NL offers its chemical unit's stock to the public	July		7	venture N	Dec	17	71
giant's synthetic resins are a fast- growing 'core business'	Nov	1 12	30	Simmons passes NL's poison-pill threshhold	July	9	5	Finland Finnish producers go global	Nov	19	18
Chase builds a business in petrochemi- cal LBOs (table)	Dec	24	27	NL takes stock in its chemicals: chemicals segment spinoff to thwart				Finnish Sugar plant to produce pentose sugars and cattle feed from biomass	Acres	07	20
(chart & table) July 2-16, Aug 6-6,	0		00	a takeover	July		16	will use Stake process N Kemira can move ahead with its phos-		27	38
Sept 3-52, Nov 5-17,	Dec	c 3	29	spinoff	July		20	phorus plans	Dec	29	24
ference (36th): An upbeat future for chemicals	No	v 26	10	NL Industries' "poison-pill" antitake- over measure struck down by	Aum	10	5	sitions with Superfos and Gechem N Kemira's acquisition of Gechem's fer-	Dec	3	24
good year and one to comeN Chemical Week 300	De	c •17	78	federal judge in N.Y	Aug		17	tilizer division will increase Kemira's strength	Dec	10	43
Profits continue to rebound: second quarter (tables)	Au	g 27	29	Netherlands government considers privatizing DSMN NYSE enters into indexing (table)	Dec	24	31 8	Neste extends PP capacity with pur- chase of Himont's PP plant at Beringen,			
Profits are still on the upswing (tables) Chesebrough-Pond's takeover by Amer-	No	v 26		The 1986 scorecard: Just call it 'good'. — Viewpoint		24	3	U.S.S.R. makes progress in joint-ven-	Oct	15	14
ican Brands would unseat Chemical Products Group, formerly Stauffer				Norsk Hydro begins trading on the New York Stock Exchange N	July		7	ture plans	Dec	17	71
Chemical N China takes a new tack in financing for		с 3		Owens-Corning restructuring calls for a sell-off of the aerospace group that	July	-		curtail production at Kemira's Kok- kola pesticides plantN	Der	24	31
ethylene plant		pt 24		Polycast's acquisition of Uniroyal's	Sep	1 10	14	Fire prevention — Building codes come under fire: N.Y. to investigate materials			
Denka Chemical: Employee-owners put Denka back on its feet	De	с 3	36	plastics division is a big gain for Polycast (chart)	Aug	6	16	for their toxicity when burned — Letter	July	29	22

Fire Retardant Chemicals Assn. — No in- complete fire safety rules — letter	Oct	29	4	Formaldehyde Institute — NCI's formal- dehyde study: Taking heat on a cancer				Salable gus from Phoenix waste treat- ment plant	July :		22
Fire Retardants see Flame Retardants				study	Aug	6	19	Specialty gas prices N UC's Linde Div. to build air separation	Aug 2	20	18
Chlorine fire at Jones Chemicals ware-				Fragrances				plant at Memphis, Tenn N	July :	30	36
house in St. Petersburg, Fla. foils				Molecules Naturelles: U.SEuropean joint venture in flavors and fra-				UC will build industrial gases plant at Marietta, O	Oct :	29	45
firemen Kenner, La. files lawsuit against Cyana-	Aug	13	12	grances	Nov	12	5	Gas see also Natural Gas and specific gas			
mid over acrylo-laden barge fire R	Sept	3	17	Unilever aims to acquire Naarden Inter-			26	Gasification			
Ohio task force report on July 8 phos- phorus fire at Miamisburg: Ohio				national; A nose for No. 1 in fragrances	Aug	27	15	Great Plains goes on — and off — the block	July	9	66
governor calling for right-to-know				France				Power Recovery's gasification tech-	outy	9	00
South Africa: General Mining Union's	Oct	8	15	L'Air Liquide dismantling joint venture in industrial gases in Europe with				nology has record-low level for emis- sions; Derry, N.H. contract for waste-			
Kinross gold mine fire stays a mystery	Oct	1	15	AGAN	Nov		5	to-energy facility N	Sept	3	34
SwRI tests: In a fire, worry less about HCl than about CO N	July	23	50	Amorphous silicon production pact N CdF Chimie's future in doubt following	July	16	22	Sweden's Nynaes Energy Chemicals, energy complex, suffers setback:			
Flame Retardants				the government's dismissal of Presi-	Cont	10	07	Superfos drops out N	Sept	17	32
Fire safety of plastics improved with				dent HugN CdF Chimie may cut its polyethylene	Sept	10	37	Gasoline			
UC's Ucarsil FR	Aug	20	73 61	operations	July	30	29	Aromatics levels may increase in gaso- line: Lyondell's Starnes at Energy			
Radiant-heat test for aircraft flammabil-				man at CdF Chimie	Nov	19	16	Bureau conference	Sept	24	10
ityN	July	30	42	Disaster specialists sent to Cameroon to assist in dealing with aftereffects				Du Pont's methanol blend waiver modi- fied by EPA	Nov	5	40
Flavors & Flavoring	A	40		of volcanic explosion N	Sept	3	18	Gasohol			
Low-salt flavors synthesis NP Molecules Naturelles: U.SEuropean	Aug	13	31	Europe's resin capacity: Still dropping (chart & table)	Nov	5	33	Federal aid for gasohol under fire . N Guatemala's gasohol plans are on	Sept		58
joint venture in flavors and fra-	Move	5	5	French chemical producers test a busi-			18	hold	July	23	45
grances N Naarden comes under Unilever's wing . N	Nov		26	ness formula (table)	Dec	17	15	Du Pont, for leaded gas N	Dec	10	48
A nose for No. 1 in fragrances: Unilever aims to acquire Naarden International	Aug	27	15	Pesticide sales decline feared N Rhône-Poulenc considering two restruc-	July	2	31	Polar Molecular licenses worldwide marketing rights to fuel additives to			
Florida Institute of Phosphate Research —	riog			turing moves N	Sept	10	37	Pfizer	Dec	17	21
Radon is a hot issue for the phosphate industry	Sept	10	39	Rhône-Poulenc expands ceramics activitiesN	Nov	5	32	Spain will adapt to EC fuel specifica- tions N	Oct	15	33
Florida Phosphate Council — Radon is a				Rhone-Poulenc: More changes N	Sept		54				
hot issue for the phosphate industry Fluids — Cyclic phosphazene fluids with	Sept	10	39	Rhône-Poulenc's president Jean-Rene Fourtou faces denationalization	July	30	12	Generators Cogeneration: Air Products launches a			
fire-resistant properties N	July	9	61	Rhône-Poulenc reorganizes research				big cogeneration project N	Nov	5	26
Fluorine				activitiesN Rhone-Poulenc's U.S. strategy	Nov	5 15	32 8	Cogeneration: Air Products and Pyro- power team up in solid fuel cogenera-			
NRDC lawsuit challenging EPA's fluorine in drinking water regulations supported				Freight Rates				tion N Cogeneration: Louisiana Chemical	Aug	13	30
by EPA union N	Sepi	17	56	ICC's new measure for rail freight rates. N	Aug	20	84	Assn. surveys cogeneration	Sept	10	7
U.K. companies, Yarsley and Johnson- Matthey, will supply fluorine com-				ICC rate guidelines: shippers balk N Freon — Du Pont will purchase raw ma-	Sept	3	58	Cogeneration plant for Schuylkill Energy Resources: culm-fired, circulating			
pounds N	July	16	22	terials for making FreonN	July	9	47	fluidized-bed boilers N	Nov	26	16
Fluorocarbons				Fuel				Cogeneration: Shale-fired cogeneration tries out in Israel N	Dec	3	16
Du Pont will purchase raw materials for				Alcohol fuels slip with oil prices: Inter-				Filaments that can generate heat N	July	2	22
making Freon N Worldwide moves to protect ozone	July Dec	17	47 12	national Symposium on Alcohol Fuels Angola: Congress moves to curb deal-	Nov	5	9	Generic Pharmaceutical Industry Assn.— FDA conference debates drug ques-			
Fluoropolymers — More fluoroplastics	Oct	15	21	ings with Angola; would bar Pentagon from buying fuel from any company				tionsN	Oct	8	50
more competition	Nov		4	that trades with the Marxist govern-				Genetic Engineering			
Fly Ash — Fly ash improves clay barriers to toxic wastes	Nov	5	26	Methanol hits the highway: California	Oct	1	48	Dairy operations: Genetic conversion to improve the herd	Nov	19	25
				assesses its methanol-fueled Escorts .	Aug	6	14	Field tests Agracetus announces successful test			
Foam Building codes come under fire: N.Y. to				Spain will adapt to EC fuel specifica- tions	Oct	15	33	of gene-altered plants N	Oct	22	66
investigate materials for their toxicity when burned	July	9	22	Synthetic fuels AIChE task force plumps for syn-				Argentina halts tests of bovine rables vaccine: Policy hitches halt biotech			
— Letter	Oct		4	fuels	Oct	22	66	tests	Dec	3	14
Mobay unveils fast path to urethane foamNP	Nov	12	44	Gas; Petroleum etc.				NIH cracks down on field test of pseudorables vaccine N	Oct	29	50
Polifoam Plastics Processing Ltd. joint								Rohm and Haas will field-test tobacco plant genetically engineered to re-			
venture in polyethylene foam R South Africa: General Mining Union's	July	23	21	Fuel Cells Japan abandons mercury cells: caustic				sist caterpillars N	Sept	3	34
Kinross gold mine fire stays a mystery	Oct	1	15	soda producers switch to membranes	July	22	10	Human growth hormone: two com- panies team up to market HGH N	July	23	50
Food				(table)				Interferon see Interferon	outy		00
Aseptic food ingredients tested by Her-				cells from Westinghouse N Japanese car powered entirely by	July	30	22	Microbes to the rescue: Hazardous waste biotreatment fights for recog-			
cules a hearty aseptic packaging market foreseen N	Oct	1	24	amorphous solar cells N	Oct	1	26	nition	Oct	29	34
China: foreign investment in food process-	Oct		24	Solid fuel cell being developed by Argonne National Lab sets performance				Recombinant vaccine for people will protect against hepatitis B N	July	30	22
ing projects edging out other CPI in- vestments	July	2	31	recordN	Nov	26	16	Rifkin suit against DOD could halt im-			48
vestments N Milk substitute from sunflower seeds .NP	Nov	12	44	Furfural — Great Lakes Chemical eyes furfural maker Pentech	Dec	17	5	portant vaccine studies N Sandoz will begin clinical trials for colony	Sept		
Sulfites: FDA bans sulfites on salads, raw produce	July	16	40					stimulating factor, GM-CSFN SmithKline-RIT and Institut Pasteur sign	Aug	27	38
raw produceN Food Additives — Chesebrough-Pond's								licensing agreement for hepatitis B			
wants to sell food systems business . N	NOV	12	5	G				vaccine	Nov	5	14
Food & Drug Administration								Georgia Institute of Technology	Mari	40	40
Biotechnology regulation: A framework for bioregulation.	July	2	10	Gamble, James N. Institute of Medical				Acid rain spurs clean-coal research NTIS sale to private industry greeted	Nov	12	40
Bovine growth hormone: Too much of a good thing?	Nov		48	Research — Schiff comments on new approaches to cures for the cold	Sen	1 24	52	with dismay (chart)	July	23	16
Conference debates drug questions . N	Oct		50		Oup	1 27	32	Germany			
Drug approvals: FDA makes progress against its backlog N	Dec	3	54	Gas L'Air Liquide acquires Big Three Indus-				Amorphous silicon production pact N BASF builds composites base N	July Sept		22
Methylene chloride use in decaffeinating	000	, ,	34	tries (table)	Aug	20	11	Degussa ends a low-profile era in U.S	Sept		32
coffee: suit brought by Public Citizen and Consumer Federation of Amer-				L'Air Liquide and AGA dismantling joint venture in industrial gases in Europe. N	Nov	19	5	Dow boosts propylene oxide capacity at Stade	July	2	31
ica	July	1 2	44	Airco opens liquid helium distribution				East German chlorate unit to use Swed-			
cosmetics	Dec	24	20	centers	Oct	15	16	ish know-how	Aug		28
Tamper-proofing rules for over-the-				largest gas-liquefaction unit ever built in the U.S	Dec	3	15	Japanese HSC process N GAF boosts capacity for THF and 1,4-	July	23	50
counter drug products N FDA regulations, standards etc. see under	Sep	ot 24	74	Industrial gases business: Steel indus-			15	butanediol N	Aug	6	5
specific products Forensics — Forensic test kit	No	12	44	try's problems could affect business	July		19 25	Grace gears up for catalyst production: Feldmühle-Grace will operate plant . N	Nov		5
	140/	12	44	— Correction Methane recovery using pressure-swing adsorption of Air Products will be		19	4	Kunststoff-'86: Europe's resin makers			
Formaldehyde NCI's formaldehyde study: Taking heat				Methane recovery using pressure-swing adsorption of Air Products will be				enjoy an upbeat mood	Nov	19	8
on a cancer study OSHA looks at new formaldehyde	Aug	6	19	used at Greensboro, N.C. landfill N	Aug	20	73	many	Dec	10	43
dataN	Dec	24	40	Radon is a hot issue for the phosphate industry	Sep	1 10	39	power	Aug	13	19

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Chemicals help rejuvenate Miss Liberty. (table) Laser laboratory develops stronger glass, more powerful lasers. N Glass Fibers — FRP composites: Azdel— a new GE-PPG ventrue. July 16 7 Glue — Fuller, H.B. acquires glue product line of Hudson Industries. N Glycol. Ethylene Glycol see Ethylene Glycol Glycorine. N Glycol. Ethylene Glycol see Ethylene Glycol Glycorment on standards. R GSH A seeking comment on standards. R GOSHA seeking comment on Stan	23 16 15 1 9 3 8 17	24 33 33 48 8 18
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Gustemalan pharmaceufical makers N Gypsum needs a realing place. Gypsum needs a realing place needs are selling place needs in the suffice recovery plany. McKee's circular grate turns phosgyp into sulturic acid (diagram). Hallamine Compounds — A disinfectant that doesn't bite needs may be a sufficient in the sum of the selling place of the s	200 t 24 t 24 t 27 t 3 t 3 t 3 t 3 t 3 t 3 t 3 t 3 t 3 t	58 22 64 42 66 66 61 20 61 13 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Gustermalen pharmaceutical makers N Gypaum needs a resting place. Open weighs in for sulfur accovery. Davy McKee's circular grate turns phosgy into sulfuric acid (diagram). Halamine Compounds — A disinfectant that doesn't bit? Halamine Compounds For more a disposal to the proper of the medical used that the proper of t	200 t 24 t 24 t 27 t 3 t 20 t 1 t 2 t 2 t 1 t 2 t 2 t 1 t 2 t 2 t 2	58 22 64 42 42 66 66 61 20 61 63 63 63 63 63 63 63 63 63 63 63 63 63

Chase builds a business in petro- chemical LBOs (table)	Dec :	24	27	Russians seek U.S. know-how to help boost their economic growth: Plan-				Small chemical firms: A balance sheet Trucks costs: Insurance keeps truck	Dec 1	10	28
Conrail's proposed sellout jumps the	Cont	2		ning a Soviet-U.S. venture	Sept 2	4	19	costs up	Dec	17	10
Dow bows out of international bank-	Sept	3	6	World Chemical Congress: Is there an 'identity' crisis in the chemical indus-				Interference — EPA will set RFI radiation	Aug	20	14
ing: sells Dow Financial Services				try? (table)	Sept 2	24	65	limits Interferon — Alpha-2B interferon destroys	Aug :	20	14
Corp. to Royal Trust Co	July	23	49	NTIS sale to private industry greeted				basal cell carcinomasN	Sept	17	21
A good bromine deal for Ethyl and				with dismay (chart)	July 2	23	16	Intermediates			
Dow N Sept 17-7, Fermenta: The end of an era; El-Sayed	Sept	24	20	Information Retrieval				Brazilian protectionist move would pro-			
will sell his interest to Montedison	July	16	9	ACS helps swell the tide of on-line data				hibit imports of pharmaceutical inter- mediates	Aug	13	28
Montedison-Fermenta deal hits a	Cont	9	18	bases: Chemical Journals Online,	Cont 5	24	6	mediates			
snag N Montedison still wants Fermenta . N	Sept	10	37	computerized data service (table) Emergency response systems see Com-	Sept 2	249	0	Rhone-Poulenc will boost HDI deriva- tives.	Aug	6	36
Montedison calls off negotiations. N	Oct		27	munications				International Environmental Bureau -	, 109		00
Foreign investment in the U.S.: Why non-U.S. companies vie for U.S.				Japan Information Center to begin trad- ing on-line information with Chemical				Formed to serve as worldwide clearing- house of environmental information R	July	30	19
chemicals (tables)	Dec	10	6	Abstracts Service and Germany's		_		International Symposium on Alcohol Fuels			
Hoechst's proposal to Celanese: 'The ultimate joint venture'	Nov	12	6	FachinformationszenturmN National Technical Information Service:	July	9	61	(10th) — Alcohol fuels slip with oil prices International Trade Commission — Rating	Nov	5	9
ultimate joint venture'	1404			Dismay greets a plan to take NTIS				global competitiveness in petrochemi-			
Resins: ICI moves in on U.S. paints and coatings (chart)	Aug	27	13	private (chart)	July 2	23	16	cals	Aug	6	54
Merger path is eased: Supreme-Court	ruy	21	10	Ink				measure for rail freight ratesN	Aug	20	84
rejects Montfort's effort to block merger of Excel and Land O' Lakes				Dainippon acquires Hartmann Druck- farben, printing inks maker N	July :	23	7	Inventories			
Spencer Beef Div N NL offers its chemical unit's stock to	Dec	17	78	Sun resists a takeover by DIC	July	2	9	Chemical storage: Everything's on hold	Sept	3	46
NL offers its chemical unit's stock to	la ala a	0	7	Discussions continue N July 16-5, N	July 2	23	7	Ethylene: U.S. ethylene inventories still			
the public	July	2	7	Sun agrees to sell graphic arts busi- ness to Dainippon for \$550 million	Aug :	27	14	meager N Propylene stocks rise N	Aug	20	18 18
UII estilioid	July	9	5	ness to Dainippon for \$550 million Inland Waterways — Drought affects barge				U.S. inventories of olefins expand N	Nov	12	46
NL takes stock in its chemicals: chemicals segment spinoff to				trafficN	Aug	6	24	Inventors — Inventrepreneurs Forum will bring together inventors and entrepre-			
thwart a takeover	July	23	16	Insecticides & Pesticides	to to	10	40	neurs	Aug	27	38
NL Industries begins its chemical spinoff	July	30	7	Daminozide under attack N EPA hits at three pesticides: dinoseb,	July	16	40	bring together inventors and entrepre-			
Court holds off on NL decision R	Aug	6	20	Lasso, 1,3-dichloropropene N	Oct	15	48	neurs	Aug	27	38
NL Industries' "poison-pill" anti- takeover measure struck down				EPA takes back its rule on wastewater discharge from pesticide plantsN	July	30	42	ing phenol from waste	July	2	22
by federal judge in N.Y N	Aug	13	5					Iran — Bombies and building in Iran R	Oct	8	15
National Distillers' acquisition of Enron Chemical: National Distillers'				Enzyme inhibitors could prove to be powerful insecticides	Sept	17	21	Isoamylene — Exxon starts up plant at Baytown, Tex. R Nov 26-15, N	Doo	3	33
push for the top in polyethylene				Senate turns to FIFRA — but perhaps				Isobutanol — Prices N	Sept		62
(chart) Back anti	Oct	1	8	too late	Aug	6	54	Isobutanol — Prices			
Old World Trading to buy Peak anti- freeze and related consumer prod-				issues N	Aug	20	84	aliphatic isocyanates plant at Willow Island, W.Va	Sept	10	17
ucts from Enron Chemical	Aug	27	21	issues	Oct	1	14	Island, W.Va			
Owens-Corning restructuring calls for a self-off of the aerospace group				passage N	Oct	15	48	method to produce INA N Isopropanol — imports-exports: Chemicals	Oct	,	36
that includes Hitco	Sept	10	14	FIFRA amendments falter N Finland's guidelines will severely curtail	Oct	29	50	roll as dollar tumbles (table)	Dec	3	8
Oxy puts Diamond in its game plan; will hold on to industrial chemicals				production at Kemira's Kokkola pesti-				inradi			
and sell off the rest	Oct	1	11	cides plant N France fears a decline in pesticide	Dec	24	31	Dead Sea Works completes potash	Mari	**	40
panacea: CDA meeting on the im-				sales	July	2	31	conveyor belt	Nov	3	40 16
pact of mergers and acquisitions	Nov	5	7	Groundwater contamination: Paying the						-	
Rhône-Poulenc's U.S. strategy: pur- chases Monsanto's vanillin business	Oct	15	8	tab for clean water; N.Y. considers limiting farmers' liability	July	2	13	Chemical trace goes deeper into			
The shape of chemical business in				Paraquat distribution agreement between	,	_		deficit	Sept	3	18
2001 — Viewpoint	Oct	15	3	Chevron and ICI Americas terminated; ICI will market herbicide under trade-				U.S. DAP	Aug	27	26
with LBO of Monsanto's Texas City,				mark, Gramoxone N	Aug	6	5	Enichem Fibre: A turnsmund at Enichem			
Tex. petrochemical complex N	July	2	7	Pesticide sales off in Southern states be- cause of drought N	Aug	6	24	Fibre	Dec	3	24
Sterling's president sings praises of LBOS	Aug	27	16	Sandoz will reduce insecticide output			04	(chart & table)	Nov	5	33
Talks continue July 16-5, N	July	23	9	in Switzerland	Nov	30	21 11	Fermenta's El-Sayed will sell his interest to Montedison	July	16	9
Sun agrees to sell graphic arts	July	20	,	UC's Temik aldicarb and Sevin car-	,			Montedison-Fermenta deal hits a			
business to Dainippon for \$550 million	Aug	27	14	baryl insecticides will become part of Rhône-Poulenc with Rhône-				snag N Montedison still wants Fermenta N	Sept Sept		18 37
Unilever aims to acquire Naarden	Aug	4.	14	Poulenc purchase of UC's ag busi-				Montedison calls off negotiations . N	Oct	29	27
International: A nose for No. 1 in fragrances	Aug	27	15	Institute for Chemical Wastes Manage-	Nov	19	22	Fiber producers welcome renewal of the Multifiber ArrangementN	Aug	12	28
Unilever tenders an offer for Chase-	nuy	21	15	ment — Hazardous waste management:				Italy's chemical trade deficit mars a	Aug	13	
brough	Dec		12	New rules are changing the game	Aug	20	26	vintage year (charts & table)	Oct	8	22
Union Carbide's ag business for sale Rhône-Poulenc buys UC's ag busi-	July	30	11	Industry issues	Aug	20	39	A strong showing for Italy's fiber makers	Oct	8	25
ness	Nov	19	22	Outreach programs	Aug	20	46	Legislation to halt contaminated wine			
Uniroyal liquidation: chemical busi- ness to be sold to Avery Inc.; tire				standards for smart instruments	Oct	29	28	problem: methyl alcohol tax will be reinstituted	July	2	31
operations to be melded with those				Instruments				Montedison creates a new division,			
of BF Goodrich	July	9	5	Analytical instruments are on a fast	Mene	26	16	Agrimont	July	2	31
cast TechnologyN Plastics division sell-off is a big gain	July	30	7	track N Biosensor: crabs lead to the develop-	Nov	20	16	Asahi-Mont joint venture N	July	16	33
Plastics division sell-off is a big gain for Polycast (chart)	Aug	6	16	ment of new type of biosensor: Univ.				Montedison: A stronger Montedison fights for profitability (chart & table)	July	23	52
Tire unit merger complete, Uniroyal			10	of Delaware's Belli reports to ACS meeting N	Sept	17	21	Seveso report on abnormalities in children	outy	20	JE
Goodrich Tire is born		13	16 17	Leak detection system uses thermistor			25	exposed to dioxin during 1976 acci- dent	Dec	10	20
Uniroyal Chemical acquired by	Aug			sensorN Monitoring priority pollutantsN	Nov		22	U.S. dollar: effect of the weaker dollar			-
Avery subsidiary	Nov	1 12	20	Monsanto unveils TAP, a real-time instru-			00	in Italy N	Sept	1 10	37
action suit settled	Dec	: 10	18	ment to study catalytic reactions N Standards: New standards for smart	Oct	1	26				
USC chemicals: More rumors than				instruments	Oct	29	28	.1			
sales; selloff of chemical assets could finance a war chest to fend				Supercritical fluid chromatograph: A supercritical route to compound				•			
off lcahn	Oct	15	7	analysis	July	2	34	Japan			
Univar makes a move for No. 1: ac- quisition of McKesson Chemical				X-ray microanalyzer NP Insulin — Nasal drug delivery of insulin:	Sep	t 17	34	Acrylic yarn antidumping order nears			
(chart)	Oct	1	9	Eli Lilly licenses Nazdel technology N	Oct	8	21	revocation	Aug	13	18
Whittaker spares its chemicals: will sell off the rest of its health and				Insurance				investment N	July	30	29
metal-fabricating businesses	Aug	20	10	Chemical companies (16) set up their		, 0	5	Asahi develops glass that protects against		12	
Mergers and acquisitions: for newsletter				own insurance firm				the sun			44
and wrap-up items see also under individual company names in Com-				'comp' insurance in Louisiana	Aug	6	9	developed	July	23	50 26
pany Index				Directors: The discriminating quest for directors, liability and conflicts of in-				Chlor-alkali producers abandon mercury		12	20
The 1986 scorecard: Just call it 'good'			•	terest deter many executives from	1	, 2	28	cells: caustic soda producers switch	le de	. 00	10
- Viewpoint	De	c 24	3	taking on board positions	July	1 2	20	to membranes (table)	July	y 23	10

Chemicals from sugar: Sweeter prices								Anid sale one Ale Dellution Anid sale			
for EC carbohydrates	Nov	19	55					Acid rain see Air Pollution — Acid rain American Bar Assn. panel backs free			
demand for coatings	Sept	24	54					trade	Aug :	20	17
Denka to build commercial plant to				Labeling				American Cyanamid hit with lawsuit by			
make modified maleimide resin N	Dec	24	24	Ginseng labeling standards	Aug	13	21	Kenner, La. over acrylo-laden barge	Cont	3	17
Du Pont seeks a listing on the Tokyo Stock Exchange N	July	2	7	Hazard communication standard OSHA adjusts its hazard communica-				fire	Sept	3	17
Economics Laboratory purchases	outy	-	-	tion ruleN	Oct	8	50	interleukin-2 patentN	Sept	3	5
Chisso's half interest in joint sub-				tion rule				Angola: Congress moves to curb deal-			
sidiary EL Japan	Sept	3	5	know	Oct :	22	86	ings with Angola; would bar Pentagon from buying fuel from any company			
Fertilizers: Update on a reduction in fertilizer capacity	Oct	22	28	Hazard communication one year later (tables)	Dec	17	73	that trades with the Marxist govern-			
Fiber makers seek market alternatives				Reassuring a skeptical public on chem-	000		10	ment	Oct	1	48
(table)	Oct		22	icals. Jay A. Young — Other views Sulfites: FDA bans sulfites on salads,	Nov	19	3	Animal drugs: bill would streamline the			
Filaments that can generate heatN	July	2	22	Sulfites: FDA bans sulfites on salads,				generic drug approval process for	A		
lon exchange for removing phenol from waste	July	2	22	raw produceN	July	16	40	animal drugs	Aug	0	34
Japanese tandwriting on the wall —	July		22	Labor				bestos rules N	Aug	6	54
Viewpoint	July	9	3	BASF's Geismar, La. complex: union				3M takes OSHA to court on respi-			
Japanese specialty chemicals: The	habe	9	26	allegations of health and safety viola-	testes	•	-	rators N Bendectin suits will not be decided in	Sept	17	56
coming wave (tables)	July	9	20	tions likely to be aired at hearings . N BASF's unfair labor practice charges	July	2	7	regeral courts N	July	16	40
Goodlass Nerolack Paints R	Oct	8	15	against OCAW dismissed by NLRB . R	Aug	13	14	Benzene-based leukemia cases: Mon-			
Kureha will produce polyphenylene				Compensation insurance: A duel over				santo loses a round in a benzene case	Dec	24	6
sulfideN	Aug	13	28	'comp' insurance in Louisiana	Aug	6	9	Biotechnology regulation: A framework for bioregulation. Biotechnology regulation: IBA challenges	July	2	10
Loan for Indian fertilizer plant N Milk from sunflower seeds NP	Oct	12	36 44	r-DNA work is safe says OECD N Drug testing: On-the-job drug tests:	Nov	19	40	Biotechnology regulation: IBA challenges	July	-	10
Mitsubishi will use a new method to	1404	16		Bonanza or bane?	Dec	10	12	proposed biotechnology code N	Oct	1	5
produce INAN	Oct	1	36	Bonanza or bane?	July		21	Biotechnology regulations: Now, federal			
Mitsui Petrochemical (mosts copolymer				EPA union supporting NRDC lawsuit				biotech guidelines bother IBA Biotechnology regulations: Rifkin cries	Oct	8	14
Montedison expan 5 interests: Asahi-	Sept	1 24	54	challenging EPA regulations on fluorine in drinking water	Cont	17	56	out on the latest biotech regulations . N	July	23	56
Mont, joint venture N	July	16	33	OSHA	Sept	11	30	Brazil extends its protectionism	Aug	6	29
On-line chemical data trading pact with	oury		00	Asbestos: OSHA is sued by 3M over				Brazilian protectionist move would pro-			
Chemical Abstracts and Germany's				asbestos rules	Aug	6	54	hibit imports of pharmaceutical inter-	Aum	10	00
Fachinformat of szenturmN	July	9	61	3M takes OSHA to court on respi- rators	Sept	17	56	mediates	Aug	13	28
Para-xylene: New capacity due on- stream	Dec	17	56	Benzene rule making: Monsanto loses	Sept	17	50	Federalism in America" — a call for			
stream	Aug		36	a round in a benzene case	Dec	24	6	less regulation of business N	Nov	19	66
Polystyrene: M / C shuffles its P5 capac-	0-4	00	00	Ethylene oxide standard must be stiff-				California's toxic initiative, Proposition	Aug	20	5
ities	Oct		28	ened N Formaldehyde: OSHA looks at some	Aug	6	54	65: a battle brews N As California goes	Aug	29	7
Rhone-Poulenc reorganizing agrichem-	July	6	31	new formaldehyde dataN	Dec	24	40	Canada: Ontario proposes new environ-	001		
cal operations	Dec	24	5	Glycol ether standards: comments				mental fines N	Dec		71
Sales and earnings: Mixed results for		00		soughtR	Dec	10	18	Canada to revise its patent law Chemical weapons: Congressional war-	July	16	11
three chemical majors N Sales and earnings: The strong yen	July	23	45	Hazard communication standard				fare on chemical weapons N	Aug	27	64
hurts Japan's chemical companies N	Nov	19	40	OSHA adjusts its hazard communi- cation rule N	Oct	8	50	Clean Water Act	, 109		04
Sanyo Chemical Industries importing				States get back in the act on right		-		Clean Water Act outlook is muddy N	Aug	13	40
urethane coatings from West Ger-				to know N	Oct	22	86	A crucial Supreme Court term for	0-4		
mary	Sept	t 24	54	Hazard communication one year	Dan	17	70	the chemical industry	Oct	8	6
powered entirely by amorphous solar				later (tables)	Dec	17	73	Reagan's desk	Oct	22	86
cellsN	Oct	1	26		Dec	24	40	The Clean Water bill is vetoed, but			
cellsN Seibu Oil's membrane takes on hydrogen				rule				WIII DE DACK		12	56
recovery N	Aug		73	provides greater protection while	testes	00	40	Clean water forces mobilize N Commercial Motor Vehicle Safety Act	Dec	17	78
Thinner films NP U.S. dollar: effect of the weaker dollar	Sept	1.17	34	reducing the compliance cost N Methylene chloride: OSHA zeroes in	July	30	42	of 1986			
in Japan N	Sept	t 10	37	on methylene chlorideN	Dec	3	54	Insurance keeps truck costs up	Dec	17	10
U.S. trade squabble over textiles: the				OSHA may call for a recount on				Congressional elections: Industry keeps			40
rift widens	Aug	27	64	recently released dataN	Nov	26	110	watch on Washington	Nov	12	13
with the U.S N	Oct	15	33	Record keeping: Monsanto hit on record keeping N	Dec	17	78	A federal plea for high-purity silicon N	Oct	22	86
U.SJapanese textile pact for 1986-			-	Record keeping: rule will ease em-	000			Dow and Consumers Power reach agree-			
89: A 'realistic' trade agreement for				nlovers' record-keeping tasks N	Oct	8	50	ment in principle over not-completed			
Japanese fibers N Waste regulators seek global accord		26	21	Record keeping: UC cited for viola- tions of record keeping at South				nuclear plant at Midland, Mich N Drug diversion hearings continue N	Sept	24	5 56
Disparate stages mark toxic waste	Sep	1 3	20	Charleston, W.Va. and Linde Div.				Du Pont gets an EEOC notice R	July	23	21
control	Sep	1 3	23	West Mifflin, Pa. plants N	Sept	24	74	Environment: Burdick plans to push			
Westinghouse's zirconium oxide fuel				Special Emphasis program is falling				environmental bills	Dec	10	16
cells ordered by two gas utilities N Worldwide moves to protect ozone	July	30	22 12	short		23	56	indicted for burying transformers and			
ohns Hopkins University School of Medi-	Dec	11	12	OCAW campaigns to close the ranks OCAW gets a 'green light' for anticom-	Nov	26	105	PCBs at his farm (table)	Sept	17	16
cine — DHEA's many promises move				pany campaign N	Oct	8	5	Environmental referendums: How the			
toward fulfillment	Dec	10	36	pany campaign N OCAW gets a tough partner for CPI				environment fared at the polls	Nov	12	16
				pargaining — UMWA	Nov	5	48	Export trading companies: Congress may	India	9	00
				Pensions: EEOC proposes costly new pension regs	Sept	24	74	ease up on export trading companies. N Farm Bill (Food Security Act of 1985)	July	3	66
				Plant closings: Supreme Court will review	Jopt	-		U.S. fiber makers keep tabs on cotton			
				Maine statute requiring severance				(chart)	July	16	18
				payN	Nov	19	66	FIFRA Senate turns to FIFRA — but perhaps			
				Rallying the troops must be a top priority — Viewpoint	Dec	3	3	too late	Aug	6	54
				Right-to-know	200	0	0	too late			
K				States get back in the act on right to				ISSUES N		20	84
				knowN Risk assessment	Oct	22	86	FIFRA: The coalition splits apart	Oct	1	14
				Disease notification: The House bill				FIFRA reauthorization moves toward passage	Oct	15	48
Kansas State University — High hopes for				is still shaky N	July	30	42	passage	Oct		50
metal vapor chemistry: SMAD, solvated metal atom dispersion	dul	y 16	34	Industry gears up to quash a risk				Federal Technology Transfer Act			
Kaolin — Engelhard will expand calcined	ou,	,	-	bill	Sept	17	56	The U.S. shares its know-how: FLC			
kaolin capacity	Nov	v 5	40	cluded under the state's HCA: Seek-				links private and public research (map)	Dec	24	12
Kennedy, Robert D., president of UC: Kennedy's plan is to 'simplify' Carbide	000	22	24	ing toxics data down on the farm	Dec	17	16	Food Drug & Cosmetic Act: Methylene	560	2.4	12
	OCI	. 2.	24	Laboratories — National accreditation for				chloride use in decaffeinating coffee			
Korea, South				labs? Controversy brewing	July	30	17	faces new troubles N	July	2	44
Du Pont and GE eye engineering plastics				Lactic Acid — Sterling's president sings praises of LBOs: acquisition of Mon-				Gorton introduces bill to pressure EPA to			
market	No	v 5	5	santo's Texas City plant	Aug	27	16	investigate cyanide availability N	Aug	13	40
oxide N	Ser	ot 17	7					Gorton's bill S. 2704: The push for	Cot	0	20
L-lysine plant N	No	v 19	40	Lasers				more cyanide safeguards	Oct	0	36
L-lysine plant N Propylene oxide plant planned N	July	y 23	45	KMS Fusion's controlled explosions: A				Groundwater contamination: Paying the tab for clean water; N.Y. considers			
TiO ₂ plant still not approved N Du Pont seeks a partner for TiO ₂ proj-	Oct	22	60	little bang with a big potential (dia-	000		00	limiting farmers' liability	July	2	13
ect	Dec	c 10	31	gram)	Oct	1	29	Hazardous materials transport: Congress	,		
ect	500	- 10	31	dethrone silicon (diagrams)	July	30	32	fires at hazardous materials trans-			
makers enjoy an upbeat mood	No	v 19	8	Stronger glass, more powerful lasers N	Aug	13	30	portN	July	23	56
Kuwait — Ammonia exchange agreement				Latin America — How lower oil prices			the str	Hazardous waste litigation: The expand-			

Hazardous waste management: New			Superfund conferees edge toward an				Liposomes			
rules are changing the game — report			agreementN	Oct	1	48	Liposome research: New paths for drug			
(charts) Au Regulations Au		26 49	Superfund: Almost home free Superfund becomes a battle of the	Oct	8	13	— Correction		6	26 20
Health bill: Will vaccine sink the health	,		vetoN	Oct	15	48	— Letter	Aug 2	27	4
bill? Drug-export provisions would also die	t 29	14	Congress's finale: Superfund be- comes law	Oct	29	50	Polymerization opens doors for liposomes	Aug	6	39
Omnibus health bill, S. 1744: Reagan			EPA cranks up Superfund's right-to-				Liquefaction			
Illinois' Chemical Safety Act: Emergency	v 26		know machinery N Superfund taxes: Some winners and	Nov	26	110	Airco will bring on line at Springville, Ind. largest gas-liquefaction unit ever built			
law stirs resistance De Kaiser Aluminum & Chemical: The high	c 10	14	some losers (table)	Dec	17	6	in the U.S	Dec	3	15
court lets a price-signaling judgment			Superfund suits don't always require notice but some liability ques-				Carbon Fuels' liquefaction process: A cheaper conversion for coal	July 3	30	17
standN Ju Levying fines: Making the punishment	y 2	44	tions are still open N Supreme Court agenda includes EPA	Dec	24	40	Lithium — Newmont Mining puts its 87.5%			
fit the criminal, and the profit; big			along with other CPI cases N	Oct	15	48	holding of Foote Mineral on the block N — Letter	Aug :		5
companies will be slapped with larger			Supreme Court: A crucial Supreme Court				L-lysine — South Korea to get L-lysine			
fines than will smaller companies N De Liability law reform see Tort reform	c 10	48	term for the chemical industry	Oct	8	6	plantN Louisiana Assn. of Business and Industry	Nov	19	40
Louisiana's ethanol subsidy: more plants			Tax reform bill	Dec	1.0	15	A duel over 'comp' insurance	Aug	6	9
qualify	ov 19	48	Higher taxes for chemical firms Tax reform: Assessing the impact;	Aug	27	21	Louisiana Chemical Assn. — Cogenera- tion survey	Sept	10	7
rejects Montfort's efforts to block			the federal tax burden at 10 U.S.				Louisiana State University — Microbes to	Oopi	,0	,
merger of Excel and Land O' Lakes Spencer Beef Div N De	c 17	78	chemical companies (table)	Oct	1	18	the rescue: Hazardous waste biotreat- ment fights for recognition	Oct :	20	34
Missouri dioxin containment suits (3)			Oil industry fights against tax reform bill N	Oct	1	48		001	20	54
NL Industries: Court holds off on NL	ec 10	18	Chemical executives lean toward a negative view of the new tax law:				Additive for oil-drilling lubricants N	July	2	22
decision A	ig 6	3 20	CW Management Advisory Panel				Mobil Oil signs lube oil agreement with			
Oil import fee Oil import fee is again on the table. N	ov 19	9 66	survey (chart)	Nov		37	China	July	30	19
Bentsen will support oil import fee. N D	9C 3		Bentsen rules out major tax changes N Texas farm workers fighting to be in-	Dec	3	54	meric particles N	July	2	22
Oil import fee may be included in trade bill N D	ec 10	0 48	cluded under the state's HCA: Seek-	D			Saudi Arabia will start recycling its oil waste	Aug	27	26
Patent Equity Act passed by the House . N So Patents see Patents	ept 24	4 74	ing toxics data down on the farm Tort reform	Dec	1/	16	Luminescents - Luminescent golf balls. NP		15	34
Patents see Patents Pennsylvania nixes warrantless inspec-			Product liability stumbles R	July	2	14				
tions at solid wastes facilities N	ov 26	110	Product liability reform founders N Liability law reform: Judicial resistance	Sept	3	58				
Plant closings: Supreme Court will rule on Maine statute requiring severance			is foreseen	Dec		48				
pay	ov 19	9 66	Underground storage: The hidden prob-	Dec		48				
OTAN Se	pt 24	74	lem of underground storage	Sept	24	38 39	N/I			
Plastics pollution at sea problem focuses			Florida gets tough in its buried-tank	Sept	24		141			
on ratification of MARPOL's Annex V N Au Pollution cases, legislation see Air Pol -	ig 20	84	Washington's propatent court: Court of	Sept	24	41				
lution; Environment; Waste Dis-			Appeals for the Federal Circuit	Dec	24	15	Magnesium — Canadian magnesium plant will be built by Norsk Hydro N	Oct	20	27
posal; Water Pollution PCBs: Holden, Mo. PCB cleanup — A			Waste regulators seek global record EC nations differ in defining toxic waste	Sept		20		001	20	21
small town's problem spurs call for			Disparate stages mark toxic waste	Sept	3	20	Magnetics EPA will set RFI radiation limits	Aug	20	14
big changes in PCB legislation Si Railroad legislation package includes	pt 17	7 8	Woburn, Mass.: Grace found guilty of	Sept	3	23	Magnetic materials: Kodak and NBS joint	und		1-4
public sale of Conrail N Se	ept 10	0 48	contaminating two drinking wells with				research program	Nov	19	25
RCRA EPA broadens its list of hazards (table) Ju	ly 2	2 26	two solventsR	Aug	6	20	rise, but so does productivity (table)	July	16	36
Permit problems dampen hot disposal			Well-contamination case settled N Woburn: There must be a better way —	Oct	1	5	Malaysia — Toxic waste program N Maleic Anhydride — Denka Chemical:	July	9	25
Date is set for controlling hazardous	ly S	9 42	Viewpoint	Oct	8	3	Employee-owners put Denka back on its	-		
waste exports N A	ig 20	84	'No winners' in an \$8-9 million settle- ment Law Enforcement — Forensic test kit NP	Oct	8	18	feet	Dec	3	36
1984 amendments have been "a real boon to exchanges"	pt 3	3 15	Law Enforcement — Forensic test kit NP	Nov	12	44	Management			
EPA manual on groundwater will be							Air Products: A third CEO in 46 years, Dexter F. Baker	Oct	1	11
used to prepare and evaluate RCRA permit applications N Se	pt 10	48	Lead				Akzo America's new chief will be Allan			
New rules for land disposal of hazard-			Asarco to buy Kennecott's Ozark Lead unit	Dec	17	15	R. Dragone	July	23	21
ous waste N O Land disposal rules allow for little	ct 29	9 50	EPA finds that lead risks may be under-	Mari		40	and setting up five major operating			00
leniency N	ov 5		stated N EPA considers lowering level of lead in	Nov	5	48	units	Aug	6	20
Deep-well regs make slow progress DEPA takes the next step in land waste	ec 10	21	drinking water: PVC producers' hopes	Mari	00	40	Slagle N	Aug	27	7
disposal N D	BC 10	0 48	rise as lead use sinks (table)	Nov	20	10	ACS president Mary L. Good: Going to bat for the chemical industry	Sept	24	57
Rifkin suit against DOD could halt im- portant vaccine studies N Si	pt 10	48	Leader				Arco Chemical considers more dives-			
Right-to-know			FTC clears IMC lease of Brewster Phos-				Arco Chemical sells four units to Horse-	Aug	6	5
EPA cranks up Superfund's right-to- know machinery N	ov 26	110	phates' plants Fl	July	9	23	head Industries (table)	Aug	13	7
Ohio's right-to-know law would tighten			Outer continental shelf development: Administration's OCS plans face				Westreich begins by cleaning up			
regulations of hazardous chemical transportation	ct 6	3 15	trouble	Nov	19	66	Artel's act	Dec	24	36
States get back in the act on right to			research	Aug	6	39	Avtex Fibers regroups its operations by region	Dec	10	5
knowN O	ct 22	2 86						Oct	20	5
Disease notification: The House bill	h. 20	. 40	Liability				divisions provide product emphasis . N Borden Chemical: Building a billion-	OCI	29	5
is still shaky N Ju High Risk Notification and Preven-	ily 30	0 43	Asbestos: No limit set on asbestos puni-				dollar consumer products business	Nov	26	98
tion Act (H.R.1309): Industry gears	-ne 1'	7 56	tive damages	July	16	40	(charts)	IADA	20	90
up to quash a risk bill N Si Safe Drinking Water Act	ept 17	7 30	directors; liability and conflicts of				for optimism (CW's Management	Nov	10	34
Reagan accepts the Safe Drinking	der (interest deter many executives from taking on board positions	July	2	28	Advisory Panel survey) (charts) Canada's Petromont changes: Dinsmore	1404	13	24
EPA considers lowering level of lead	ily 2	2 44	Groundwater contamination: Paying the	0013	-		steps down as president; new president will be Andre LaPalme N	Aug	12	28
in drinking water: PVC producers'	0		tab for clean water; N.Y. considers limiting farmers' liability	July	2	13	CdF Chimie's future in doubt following	Aug	13	20
hopes rise as lead use sinks (table). N Sentencing guidelines target corporate	DV 26	6 10	Hazardous waste litigation: The expand-				government's dismissal of President	Sant	10	37
crime O	ct t	8 15	ing liability net	Oct	29	14	Hug N CdF Chimie: Serge Tchuruk, a new No. 1	Sept		31
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Act (1980)			still open N Tort reform	Dec	24	40	Celanese's Leon ("Lee") Starr, v-p for technology: His career started off			
Amended: Trying again on technology transfer N O	ct 2	2 86	Product liability stumbles	July	2	14	with a 'bang'	Dec	3	40
Superfund			Product liability reform founders N Liability law reform: Judicial resistance	Sep	1 3	58	ChemDesign: A recession baby's suc- cess story	Oct	22	76
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			Libya — U.S. tightens the squeeze on				ference (36th): An upbeat future for	Maria	200	10
Zation A	ug (6 8		July	9	66	chemicals	Nov	20	10
of court charges of violating Super-	ug (6 8	Libyan oil	July		66	Chesebrough-Pond's takeover by Amer-	MOA	20	10
of court charges of violating Super- fund and RCRA brought by St. Louis			Libyan oil	July		66 48	Chesebrough-Pond's takeover by Amer- ican Brands would unseat Chemical Products Group, formerly Stauffer			
Reilly files an agreement to settle out of court charges of violating Super- fund and RCRA brought by St. Louis Park. R A EPA stens up its Superfund settlements S	ug 1	3 16	Libyan oil		5		Chesebrough-Pond's takeover by Amer- ican Brands would unseat Chemical Products Group, formerly Stauffer Chemical N	Dec		5
Reilly files an agreement to settle out of court charges of violating Superfund and RCRA brought by St. Louis Park. RAPA steps up its Superfund settlements S Down to the wire — again — on pay-	ug 1:	3 16 3 15	Libyan oilN Licensing — Justice will allow restrictions in technology licensesN Lighting — Chemicals help rejuvenate	Nov	5	48	Chesebrough-Pond's takeover by Amer- ican Brands would unseat Chemical Products Group, formerly Stauffer	Dec		

Commence of the control of the contr				All takes stock in the chemicals:				Metal vapor chemistry: High hopes for			
Company community relations: Getting to the heart of your constituency —				NL takes stock in its chemicals: chemicals segment spinoff to				metal vapor chemistry	July	16	34
Viewpoint	July	16	3	thwart a takeover	July	23	16	NBS catalog for standard reference			
Degussa ends a low-profile era in				NL Industries begins its chemical			_	materials N Materials see also Composites ; specific	Aug	20	73
U.S Denka Chemical: Employee-owners	Sept	24	32	Spinoff	July	30	20	material, Metals, Plastics etc.			
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DeSoto restructuring: plans to sell				over measure struck down by fed-				to chemistry	Sept	10	29
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Dexter Chemical is left to a founda-	Sept	17	25	Name changes: The chemistry of a cor-	July	9	17	tooth roots: Composites bite into new applications.	Aug	27	44
Edelstein's legacy to industry and	Sehr	11	25	porate name change	July	23	41	applications			
science	Sept	17	26	Names: The power of grace, the magic	,			from NBS NP	Nov	12	44
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Exxon Chemical: The new Exxon Chem-	Dec	**	UE	selloff of the aerospace group that includes Hitco	Sept	10	14	team up to explore the medical useful-			
ical — Fewer vice-presidents, no		1-	-	Pantasote's Edmund H. Damon, presi-	oop.			ness of storage phosphor imaging sys-	0		40
more matrix management	Dec	10	38	dent and CEO: 'A coach' is Pantasote's	b. de-	40		temsN	Dec	3	16
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denationalization	,			pension regsN	Sept	24	74	Acid rain spurs clean-coal research	Nov	12	40
ness formula (table)	Dec	3	18	Purchasing managers extend their reach	Aug	27	48	Advanced Polymer Technology seeks	Oct		26
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in business under its old name	Oct	15	26	purchasing managers — Viewpoint . Rallying the troops must be a top priority	Aug	21	3	leapfrog world competition in ceramic			
Russell, Richard R.: A president with a penchant for running	Oct	15	27	- Viewpoint	Dec	3	3	membrane systems Sept 17-10, N	Dec	24	5
General Electric Plastics: A corporate	000	10		Reheis Chemical's Philip I. White, Chair-		-		China licenses membrane cell tech-	Ont	22	28
giant's synthetic resins are a fast-				man, president and CEO: The Heheis			00	nology N Chlor-alkali: New entries vie in chlorine	Oct	22	20
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Global marketing: Pinning down a global marketing strategy	Oct	1	30	Targeting pays off for a Reichhold				- Letter	Oct	29	4
Goodrich, BF elects Leigh Carter presi-	OUL	,	50	unit	July	30	37	Dow and Oronzio De Nora joint venture			
dent	Aug	20	17	Restructuring may not be the market				for chlor-alkali membrane cell tech- nology	July	30	19
Goodrich's Leigh Carter, president and				panacea: Commercial Development				Japan abandons mercury cells: caustic	July	30	10
COO: A new president for a 'new' Goodrich	Oct	8	30	Assn. meeting on the impact of mergers and acquisitions	Nov	5	7	soda producers switch to membranes			
Goodyear forms polyester divisions;	OCI	0	50	Rhône-Poulenc considering two restruc-				(table)	July	23	10
William B. Hirsch is v-p and general				turing movesN	Sept	10	37	Japanese membrane takes on hydrogen	Aug	20	73
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Group and chief technical officer:	0		00	— Correction	Aug	6	20	new generation N	Sept	10	22
Grace picks a physicist as R&D chief Grace designates four 'crown princes' . N	Sept	3	39	The shape of chemical business in 2001 — Viewpoint	Oct	15	3	new generation N Polymerization opens doors for liposomes	Aug	6	39
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Is there an 'identity' crisis in the chem-	Nov	5	22			26	3	metal chemicals from clay	Oct	8	
Is there an 'identity' crisis in the chem- ical industry? World Chemical Con- gress (table)	Nov		22 65	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem-	Nov			metal chemicals from clay	Oct	8	
Is there an 'identity' crisis in the chem- ical industry? World Chemical Con- gress (table)	Sept	24	65	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. N			3	metal chemicals from clay Methane Air Products' pressure-swing adsorption	Oct	8	
Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) Italy's chemical trade deficit mars a vintage year (charts & table)				point. Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen	Nov	29	5	metal chemicals from clay	Oct		73
Is there an 'identity' crisis in the chem- ical industry? World Chemical Con- gress (table) Italy's chemical trade deficit mars a vintage year (charts & table) Kaiser Aluminum & Chemical reorgan- ization plan would make Kaiser a	Sept	24	65	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. N Vista Chemical's moves: Refinancing, consolidation. N Mana-Sota-88 — Rains comments on the	Nov Oct Aug	29 27	5	metal chemicals from clay	Aug	20	
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Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table). Italy's chemical trade deficit mars a vintage year (charts & table). Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Ciore as chair-	Sept	24	65 22	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. N Vista Chemical's moves: Refinancing, consolidation. N Mana-Sota-88 — Rains comments on the radon issue Manpower; technical — Chemist tempo-	Oct Aug Sep	29 27 10	5 7 39	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N.C. landfill Nalable gas from Proenix waste treat- ment plant Methane Sulfonic Acid — Pennwatt ex-	Aug	20	
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Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) trade deficit mars a vintage year (charts & table) Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman Kaiser Chemical's triple consolidation Kaiser/Harshaw/Filtrol. Kilne, Charles H. & Co. has new owner Sunwestern Investment Group: An ambitious new owner for a big con-	Sept Oct Dec Nov	24 8 3 19	65 22 5	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. N Vista Chemical's moves: Refinancia, consolidation. N Mana-Sota-88 — Rains comments on in Hangower, technical — Chemist tempo- raries: Now you can 'rent a chemist' Marine Applications — Antifouling com- pounds from cora! Marketing CO, Supply disruptions crimp CO, profits	Oct Aug Sept Aug	29 27 10 20 9	5 7 39 24	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N.C landfill N. Salable gas from Phoenix waste treat- ment plant - N. Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur. Methane Sulfonyi Choiride — Pennwal N. Methane Sulfonyi Choiride — Pennwalt ex- pands its plant capacity for organo- sulfur. N. N.	Aug July Nov	20 30 19	22 48
Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) trade deficit mars a vintage year (charts & table) . Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman. Kaiser Chemical's triple consolidation: Kaiser/Harshaw/Filtrol. Kline, Charles H. & Co. has new owner Sunwestern Investment Group: An ambitious new owner for a big consulting firm. Koppers president and COO Glen. N.	Sept Oct Dec	24 8 3 19	65 22 5 26	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. Notista Chemical's moves: Refinance No. Nonac-Sota-88— Rains comments on the radon issue Manpower, technical — Chemist tempo- raries: Now you can 'rent a chemist' Marine Applications — Antifouling com- pounds from cora! Marketing CO ₂ Supply disruptions crimp CO ₂ profits Global marketing: Pinning down a global marketing strategy.	Oct Aug Sepi Aug July	29 27 10 20 9	5 7 39 24 62	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N.C. landill N. Salable gas from Phoenix waste treat- ment plant Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur. N. Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organosulfur. N. Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organosulfur. N. Methanol	Aug July Nov	20 30 19	22 48
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Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) Italy's chemical trade deficit mars a vintage year (charts & table) Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman	Septi Oct Dec Nov Oct Nov Septi July July Aug Aug	3 19 22 5 11 17 30 16 13 13	65 22 5 26 5 19 7 19 15 3	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. Vista Chemical's moves: Refinancing, consolidation. Mana-Sota-88 — Rains comments on the radon issue Manpower, technical — Chernist tempo- raries: Now you can 'rent a chemist' Marine Applications — Antifouling com- pounds from coral Marketing CO, Supply disruptions crimp CO, profits Global marketing: Pinning down a global marketing; Pinning down a global marketing strategy. Is there an 'identity' crisis in the chemi- cal industry? World Chemical Congress (table). Massachusetts institute of Technology NTIS sale to private industry greeted with dismay (charf). Material Handling Israel's Dead Sea Works completes potash conveyor bell Underground storage. The hidden pro- lems of underground storage. California's law is getting mixed re- views Florida gets tough in its buried-tank law	Oct Aug Sepi Aug July Oct Oct Sep July Nov Sep Sep Sep	29 27 10 20 9 29 1 124 23 19 124 23	5 7 39 24 62 46 30 65 16	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N. C. landfill N. Salable gas from Phoenix waste treat- ment plant N. Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur. Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organosul- fur. N. Methanol Alcohol fuels slip with oil prices: Inter- national Symposium on Alcohol Fuels. Celanese Canada reviews its methanol operation N. Du Pon's methanol blend waiver mod fied by EPA. N. Imports-exports: Chemicals roil as doilar tumbles (table) Italy will reinstitute methyl alcohol tax to halt contaminated wine problem N. Methanol-fueled buses in N Y.C. N. Methanol hits the highway: California assesses its methanol-fueled Escorts. Methanol suppliers wait out hard times (chart). Monsanto's methanol plant at Texas City, Tex. will be shuttered by Sterling	Aug July Nov Nov Oct Nov Dec July July Aug	20 30 19 19 5 8 8 3 7 2 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 48 48 9 28 40 8 31 35 14 36
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Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) Italy's chemical trade deficit mars a vintage year (charts & table) Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman. Naiser Chemical's triple consolidation: Kaiser/Harshaw/Filtro Kline, Charles H. & Co. has new owner Sumwestern Investment Group: An ambitious new owner for a big consulting firm. Noppers' president and COO Glen C. Tenley: A no-nonsense president at Koppers. Loctitie's chairman Kriebie stepping down; successor likely to be Kenneth W. Butterworth W. Butt	Septi Oct Dec Nov Oct Nov Septi July July Aug July Nov	24 8 3 19 22 5 11 17 30 16 13 13 12 23	65 22 5 5 19 7 19 15 3 32 52 5 5	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. Vista Chemical's moves: Refinancing, consolidation. Mana-Sota-88 — Rains comments on the radon issue Manpower, technical — Chernist tempo- raries: Now you can 'rent a chemist' Marine Applications — Antifouling com- pounds from cora! Marketing CO, Supply disruptions crimp CO, profits Global marketing: Pinning down a global marketing; Pinning down a global marketing strategy. Is there an 'identity' crisis in the chemi- cal industry? World Chemical Congress (table). Massachusetts institute of Technology — NTIS sale to private industry greeted with dismay (chart). Material Handling Israel's Dead Sea Works completes potash conveyor belt — indden prob- lems of underground storage. California's law is getting mixed re- views's law is getting mixed re-	Oct Aug Sepri Aug July Oct Sep July Nov Sep Sep Sep	29 27 10 20 9 29 1 124 23 19 124 24 23 15 24 24 24 24 24 24 24 24 24 24 24 24 24	5 7 39 24 62 46 30 65 16 40 38 39 41	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N. C. landfill N Salable gas from Phoenix waste treat- ment plant Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organo- sulfur Methanol Alcohol fuels slip with oil prices: Inter- national Symposium on Alcohol Fuels Celanese Canada reviews its methanol operation Du Pont's methanol blend waiver modi- fied by EPA. N Du Pont's methanol blend waiver modi- fied by EPA. Imports-exports: Chemicals roil as dollar tumbles (table) Italy will reinstitute methyl alcohol tax to halt contaminated wine problem. M Methanol-fueled buses in N Y.C. Methanol hits the highway: California assesses its methanol-fueled Escorts. Methanol-fueled buses in N Y.C. Methanol suppliers wait out hard times (chart) Monsanto's methanol plant at Texas City, Tex. will be shuttered by Sterling Group. Occelot becomes a victim of a methanol	Aug July Nov Nov Oct Nov Dec JulyJuly Aug Aug	20 30 19 19 5 8 8 7 5 7 2 2 7 2 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 48 48 9 28 40 8 31 35 14 36
Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) Italy's chemical trade deficit mars a vintage year (charts & table) Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman. Naiser Chemical's triple consolidation: Kaiser/Harshaw/Filtro Kline, Charles H. & Co. has new owner Sumwestern Investment Group: An ambitious new owner for a big consulting firm. Noppers' president and COO Glen C. Tenley: A no-nonsense president at Koppers. Loctitie's chairman Kriebie stepping down; successor likely to be Kenneth W. Butterworth W. Butt	Septi Oct Dec Nov Oct Nov Sepi July July Aug July July	24 8 3 19 22 5 11 17 30 16 13 13 12 23	65 22 5 26 5 19 7 19 15 3 32 52	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. Vista Chemical's moves: Refinancing, consolidation. Mana-Sota-88 — Rains comments on the radon issue. Manpower, technical — Chemist tempo- raries: Now you can 'rent a chemist'. Marine Applications — Antifouling com- pounds from cora! Marketing. CO, Supply disruptions crimp CO, profits Global marketing: Pinning down a global marketing; Pinning down a global marketing strategy. Is there an 'identity' crisis in the chemi- cal industry? World Chemical Congress (table). Massachusetts Institute of Technology — NTIS sale to private industry greeted with dismay chart). Material Handling Israel's Dead Sea Works completes polash conveyor belt. N Underground storage. The hidden prob- lems of underground storage. California's law is getting mixed re- views. Florida gets tough in its buried-tank law Materials Advanced materials: Airing the health risks.	Oct Aug Sepri Aug July Oct Sep July Nov Sep Sep Sep	29 27 10 20 9 29 1 1 24 23 19 1 24 24 1 24	5 7 39 24 62 46 30 65 16 40 38 39	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N. C. landfill N salable gas from Phoenix waste treat- ment plant Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organo- sulfur Methanol Alcohol fuels slip with oil prices: Inter- national Symposium on Alcohol Fuels Celanese Canada reviews its methanol operation operation operation operation operation N Du Pont's methanol blend waiver modi- field by EPA. Imports-exports: Chemicals roll as dollar tumbles (table) Italy will reinstitute methyl alcohol tax to halt contaminated wine problem Methanol-fueled buses in N Y C. N Methanol-fueled buses in N Y C. N Methanol-fueled buses in N Y C. N Methanol blist the highway: Califord assesses its methanol-fueled Escorts. Methanol suppliers wait out hard times (chart) Monsanto's methanol plant at Texas City, Tex. will be shuttered by Sterling Group	Aug July Nov Nov Oct Nov Dec July July July Aug Aug	20 30 19 19 5 8 8 7 5 7 2 2 7 2 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 48 48 9 28 40 8 31 35 14 36
Is there an 'identity' crisis in the chemical industry? World Chemical Congress (table) Italy's chemical trade deficit mars a vintage year (charts & table). Kaiser Aluminum & Chemical reorganization plan would make Kaiser a wholly owned subsidiary of holding company with Alan Clore as chairman. Kaiser/Harshaw/Filtrol Kline, Charles H. & Co. has new owner Surwestern Investment Group. An ambitious new owner for a big consulting Itim. Koppers president and COO Glen C. Tenley: A no-nonsense president at Koppers president and COO Glen C. Tenley: A no-nonsense president at Koppers with the Coopers of th	Septi Oct Dec Nov Oct Nov Septi July July Aug July Nov	24 8 3 19 22 5 17 30 16 13 13 13 13 15 23	65 22 5 5 19 7 19 15 3 32 52 5 5	point Vista Chemical's chairman Gordon A. Cain calls it quits; successor will be Sam F. Segner; two new board mem- bers chosen. Vista Chemical's moves: Refinancing, consolidation. Mana-Sota-88 — Rains comments on the radon issue Manpower, technical — Chernist tempo- raries: Now you can 'rent a chemist' Marine Applications — Antifouling com- pounds from cora! Marketing CO, Supply disruptions crimp CO, profits Global marketing: Pinning down a global marketing; Pinning down a global marketing strategy. Is there an 'identity' crisis in the chemi- cal industry? World Chemical Congress (table). Massachusetts institute of Technology — NTIS sale to private industry greeted with dismay (chart). Material Handling Israel's Dead Sea Works completes potash conveyor belt — indden prob- lems of underground storage. California's law is getting mixed re- views's law is getting mixed re-	Oct Aug Sepp Aug July Oct Sep July Nov Sep Sep Nov	29 27 10 20 9 29 1 124 23 19 124 24 23 15 24 24 24 24 24 24 24 24 24 24 24 24 24	5 7 39 24 62 46 30 65 16 40 38 39 41	metal chemicals from clay Methane Air Products' pressure-swing adsorption technology will be used at Greens- boro, N. C. landfill N salable gas from Phoenix waste treat- ment plant Methane Sulfonic Acid — Pennwalt ex- pands its plant capacity for organo- sulfur Methane Sulfonyl Chloride — Pennwalt ex- pands its plant capacity for organo- sulfur Methanol Alcohol fuels slip with oil prices: Inter- national Symposium on Alcohol Fuels Celanese Canada reviews its methanol operation N Du Pont's methanol blend waiver modi- fied by EPA. Imports-exports: Chemicals roll as dollar tumbles (table) Italy will reinstitute methyl alcohol tax to halt contaminated wine problem Methanol-fueled buses in N Y C. Methanol hist beh pighway: California assesses its methanol-fueled Escorts. Methanol suppliers wait out hard times (chart) Monsanto's methanol plant at Texas City, Tex. will be shuttered by Sterling Group Ocelot becomes a victim of a methanol gut. N	Aug July Nov Nov Oct Nov Dec July July Aug Aug Nov Nov	20 30 19 19 5 8 8 7 5 3 7 2 2 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 48 48 9 28 40 8 31 35 14 36 24 26

4-Methyl-pyrazole — Antidote for anti-				Mt. Sinai Medical Center — Davis com-	Man			National Solid Waste Management Assn.			
freeze poisoning in pets N	Oct	1	26	ments on Alzheimer's drug N	Nov	19	66	Hazardous waste management report: Industry issues	Aug :	20	45
Methyl-Tert-Butyl-Ether Brazil's Copseul starts up its new MTBE				N				National Utility Contractors Assn. — Clean	Aug :	20	46
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Methylene Chloride				Nagoya University Ion exchange for re-				comments on Superfund	Aug	6	8
CPSC proposes rule making proceed-	Cont	2	17	moving phenol from wasteN	July	2	22	Natural Gas			
Decaffeinating coffee: new troubles for	Sept		17	Names				C-E bids \$340 million in Chile: seeking financing for ammonia and urea proj-			
methylene chloride	Dec	24	14	CIIT considers changing its name and its image	Oct	15	41	ect keyed to natural gas	Oct		14
OSHA zeroes in on methylene chloride. N Paint strippers to replace methylene	Dec	3	54	The chemistry of a corporate name change	July	23	41	upheld	Nov	19	22
chloride: Safer, but will they cost more?	Oct	1	12	Economics Laboratory: proposed name change to Ecolab	Oct		- 5	lines, affiliates	Dec	3	54
Prices N Stripping solvent contains methylene	Sept	10	17	The power of grace, the magic of a name	July		3	gas interests N Kellogg negotiating with Argentina for	Dec	24	31
chloride substitute NP	Oct	15	34	Viewpoint . National Aeronautics & Space Administra-	July	23	3	feedstock for ammonia-urea plant N	July	9	25
N-Methylpyrrolidone				tion — Acrylic windows pose a crazing puzzle	Sept	10	13	LNG: Shell's LNG projections R Louisiana: A natural gas tax looms	Sept	12	17
Paint strippers to replace methylene chloride: Safer, but will they cost				National Agricultural Chemicals Assn.				NGL: Brazilian petrochemicals from gas liquids complex proposed N	Sept	3	18
Stripping solvent contains methylene	Oct	1	12	EPA takes back its rule on wastewater discharge	July	30	42	Offshore gas may fuel new projects			
chloride substitute NP	Oct	15	34	Hazardous waste management: New rules are changing the game — report				in China N Outer continental shelf development:	July	16	22
Mexico How lower oil prices affect Latin America	Aug	20	77	(chart)	Aug	20	26 36	Administration's OCS plans face	Mou	10	00
Rohm and Haas will produce Plexiglas	Aug			Paying the tab for clean water: N.Y.	Aug	20	30	Prices continue to drop (tables)	Dec	19	66 13
acrylic sheet at Mexican plant N	Nov	20	5	considers limiting farmers' liability for groundwater contamination	July	2	13	Texas: Cheaper gas in line for Texas?	Aug	13	8
Michigan State University Microbes to the rescue: Hazardous waste				Seeking toxics data down on the farm . National Assn. of Home Builders — For	Dec	17	16	Natural Resources Defense Council Ahmed comments on electrical bug-			
biotreatment fights for recognition Recycling plastics into an enterprise	Oct	29 17	34 64	chemicals, repairs cushion the housing drop (charts)	Oct	22	7	killing and soil sterilization method, Electrofrac	Nov	5	41
Microencapsulation — Encapsulated pig- ment for latex paint: polymer encapsu-				National Assn. of Purchasing Manage-				Bubble policy: Putting a bubble over pollution	Dec	3	13
lation process	Sept	3	45	ment Purchasers offer an upbeat outlook	Oct	20	12	Daminozide under attackN EPA's report on waste minimization:		16	40
Microscopy				Purchasing managers extend their reach:	OCI	23	12	Division over waste reduction	Nov	12	12
Exploring inner space without fanfare — Viewpoint.	Sept	24	3	program to designate certified pur- chasing managers	Aug	27	48	Hazardous waste management report: Industry issues	Aug	20	45
Getting a clearer focus on atoms: scan- ning tunneling microscopy and photo-				National Bureau of Standards				Lawsuit challenging EPA's fluorine in drinking water regulations supported			
electron microscopy	Sept	17	39	Catalog for standard reference ma- terials	Aug	20	73	by EPA union	Sept	17	56
Mining				Investigation of Chicago refinery amine stripping vessel explosion in 1984 finds				tory — Portable kit for evaluating paint: result of federal research	Dec	24	12
In the wake of wetlands mining: Brew- ster's Florida phosphate operations				potential hazards in amine stripping vessels	Oct	8	21	Naval Stores			
raise environmental questions South Africa: General Mining Union's	Oct	15	13	Magnetic materials: joint research pro-	Nov		25	Commodity swings rock U.S. naval stores	Oct	1	37
Kinross gold mine fire stays a mystery	Oct	1	15	gram	Nov		44	(chart)	Oct	1	24
Models				OSINET, experimental telecommunica- tions network gets under way N	Aug	27	38	manager	Dec	17	62
ASME will develop technical economic models N	Nov	26	16	Polymer alloys and blends: On the track of new polymer blends (table)	July	16	6	Netherlands			
Mathematical models: consortium aims to improve molecular modeling N	Aug	6	41	Research associate program at Auto- mated Manufacturing Research Facility	Dec		13	DSM invests in caprolactam, opens a composites lab	Nov	5	32
Molecular modeling: computer-aided modeling systems NP	Oct		34	Ultrasonic method finds flaws in ceramic powders	Oct		44	Gist-Brocades and Shell discuss a joint venture	Dec		71
Polygen teams up with Stellar Computer to develop advanced computer sys-			-	National Cancer Institute	001		**	Government considers privatizing DSM N	Dec		31
tem for molecular modeling and simu-	Almi	00	10	Computer screening of antitumor com-	0	04	04	Grace acquires Storm, Van Bentem & Kluyver, coatings company N			7
lationN	Nov	20	16	pounds	Dec	_	24	Inspection of all chemical plants ordered	Aug	61	,
Molding K-Bin begins producing plastic molding				2,4-D epidemiological study: EPA will	Aug	6	19	to evaluate "what measures are taken to prevent incidents of environmental			
compounds	Dec	17	15	take a special look at 2,4-D safety N National Corn Growers Assn. — Ethanol's	Sept	10	48	pollution"N Windmill and UKF will be ordered to stop	Dec	24	31
plastics division is a big gain for poly- cast (chart)	Aug	6	16	viability fuels dispute	Oct	1	13	releasing cadmium into a Rhine River estuary	Dec	24	31
cast (chart) Molecular Sieves — Adsorption delivers low-cost nitrogen: Airco's pressure swing				ance — A duel over 'comp' insurance in Louisiana	Aug	6	9	New Jersey Institute of Technology — Re- cycling plastics into an enterprise	Dec		64
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Monoclonal Antibodies Bio-Response and Ventrex Laboratories'				paperwork of trade (tables)	July	9	8	products	Dec	24	19
agreement in monoclonals N	Dec	17	21	National Institutes of Health				servation — Niagara River agreement:	Dee	2	**
Biotech Research Laboratories puts many — but not all — its research in	Acces	200	10	AIDS tests: Du Pont, Genetic Systems' tests score highest	July	16	40	Restoring the Niagara's allure	Dec	3	13
Du Pont's basket	Aug		12	Field test of pseudorables vaccine: NIH cracks down	Oct	29	50	nomic Analysis: assistance for ASME program to develop technical aconomic			
therapeuticsN Forensic test kitNP	Aug		7	RAC will change its biotech release guidelines. N	Oct	8	50	models N New Zealand — 2,4,5-T: proposed mora-	Nov		16
In hot pursuit of a cure for the cold: Merck's antiviral research	Sept		49	National Nutritional Foods Assn. — Ginseng	Aug		21	toriumN	Aug	20	67
Merck's antiviral research	Nov	12	44	National Oceanic and Atmospheric Admin-	ring	10		Nitrogen Adsorption delivers low-cost nitrogen:			
gonorrhea	Sept	10	22	istration — Emergency response com- puter system dubbed CAMEO N National Paint and Coatings Assn. — Coat-	Dec	24	40	Airco's pressure swing adsorption	Dec	3	30
septic shock	Dec	3	44	National Paint and Coatings Assn. — Coatings '86 — report (charts & tables)	Oct	22	30	Nitrogen-fixation units: Old know-how is tapped for new fertilizer units	Aug	27	60
Monomers				National Petroleum Refiners Assn.				UC's Linde Div. to build air separation plant at Memphis, Tenn N	July	30	36
EPDM: A new see-through rubber looks for work	Aug	27	51	Heavy-liquids cracking picks up steam . N Inventories; U.S. ethylene inventories are	Nov	12	21	Nitrogen Oxide — Clean Air standards: EPA tightens NO _x and particulate emis-			
Styrene: Brazil looks to the U.S. Gulf Coast for styrene	Sept		5	still meager but propylene stocks rise	Aug	20	18	sions standards N Nitrosamines — Alpha tocopherol surface	Nov	12	56
Styrene: joint venture in Korea N	Sept	17	7 45	U.S. inventories of olefins expand N	Nov		46	application: Saving the bacon from nitro-	Nov	12	56
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VCM: Monomer producers fight for higher prices.	Nov		9	A framework for bioregulation; Kings- bury: "Product-oriented statutes"	July	2	10	Northwestern University - New method			
VCM standards won't be tightened N Monophosphoryl Lipid A (MPL) — Ribi	Nov	12	56	Integrated Sensors Center: cooperation in research on integrated sensors . N	Oct	1	26	fabricates semiconductor devicesN	Oct	22	66
granted patent allowance covering the use of MPL to inhibit acute radiation				Science incorporates at school: University of Detroit forms Polymer Technologies				Norway Monsanto heat-recovery system debuts			
syndrome	July	16	22	Inc., a for-profit subsidiary	Aug	27	16	in sulfuric acid plant N	July	16	22

Norsk Hydro begins trading on the New	finds .	0	7	Other Views Schwartz, Irvin: Evangelists for tech-				Brazil extends its protectionism	Aug July	6	29 11
York Stock Exchange N Nutrition — Eastman Kodak and Engenics	July	2	,	nology	Nov	5	3	EC moves to protect biotechnology			
undertake program to develop nutritional biochemicals N	Aug	13	30	Young, Jay A.: Reassuring a skeptical public on chemicals	Nov	19	3	rightsN FIFRA amendments resolve pesticide	Dec		71
				Oxazolidinones — Halamine compounds: A disinfectant that doesn't 'bite'	Sept	17	19	patent issues N GE defends its Noryl plastic patent in	Aug	20	84
Nylon Carpet sales boost demand for nylon				Oxford University — Institute for Energy Studies' Mabro at World Energy Con-	Sept	17	19	Japan	Oct	15	5
Du Pont will make nylon filament in	Nov	19	48	Studies' Mabro at World Energy Con- ference	Oct	22	14	La Hoche suit against Genentech N	Sept	17	56
TurkeyN Fiber makers roll out stain-resistant	Aug	6	36			-		Interleukin-2: Amgen suing Cetus over anticancer drug patentN		3	5
carpetsN	Oct	8	41	Oxygen UC's Linde Div. to build air separation plant at Memphis. Tenn				Patent Equity Act passed by the House . N	Sept	24	74
New polymers enter a competitive market Solvay licenses Japanese nylon tech-	Oct	15	11	plant at Memphis, Tenn N Yale's Brudvig discovers how plants	July	30	36	Patent and Trademark Office's automa- tion attempt: Automation isn't always			
nology N	Nov	5	26	generates oxygen N Oxygenated Fuels Assn. — Du Pont's	Dec	17	21	more efficient	July	30	42
				methanol blend waiver modified by				tensions	Aug	13	40
				EPA	Nov	5	40	the use of MPL to inhibit acute radia-			
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0				U.S. cities will fall short on 1987 ozone standardsN	July	2	44	Appeals for the Federal Circuit	Dec	24	15
				Worldwide moves to protect ozone	Dec	17	12	Perchloroethylene — Du Pont pulls out of 'perc': overcapacity leaves for producers	July	16	9
Occupational Safety & Health Admin- istration				_				Pest control — Electrical bug-killing and soil sterilization method: Electrofraction	Nov	5	41
Hazard communication standard				P				Pesticides see Insecticides & Festicides	1404	3	41
OSHA adjusts its hazard communica- tion rule	Oct	8	50					Petrochemicals			
States get back in the act on right to knowN	Oct	22	86	Packaging				Argentina attempts to boost Japanese investmentN	July	30	29
Hazard communication one year later	Dec		73	Aseptic food ingredients tested by Her- cules a hearty aseptic packaging				Benzene see Benzene	July	30	29
(tables)				market foreseen	Oct	1	24	Brazilian companies vie for stakes in a buildup: ethylene-based petrochemi-			
released dataÑ Record keeping: rule will ease employers'	Nov	26	110	safeguards	Oct	8	36	cal complex N	Nov	19	40
record-keeping tasks N	Oct	8	50	Dow's consumer products venture in Brazil: plastic package for use in home				Brazilian petrochemicals from gas liquids proposed	Sept	3	18
Respirators: 3M takes OSHA to court on respiratorsN	Sept	17	56	freezers	Oct	29	5	Canada: petrochemical operations resume at Montreal East N	Oct	15	33
Special Emphasis inspection program is falling short	July	23	56	nessN	July	16	5	Chase builds a business in petrochemi- cal LBOs (table)	Dec		27
is falling short	outy		00	FDA sets tamper-proofing rules for over- the-counter drug products	Sept	24	74	Energy Bureau annual conference:			
Octyl-(phenyl)-N,N-diisobutylcarbamoyl- methyl-phosphine oxide (CMPO) Truex				the-counter drug productsN Labeling see Labeling Monsanto's plastic packaging business				Aromatics may increase in gasoline Key trends chemical marketers	Sept	24	10
solvent extraction process: A process to downsize nuclear wastes	Dec	24	30	on the block N	July	30	7	watched	Sept	24	12
Odor Control — Economics Laboratory				Container business to be sold to Ball Corp N	Nov	5	5	Fatty acids see Fatty Acids Feedstocks			
acquires Airkem Div. of Airwick Ř	Aug	21	22	Corp	Oct	15	38	Heavy-liquids cracking picks up steam N	Nov	12	21
Office of Technology Assessment At sea over burning hazardous wastes:				PET producers gear up to meet rising				Sugar and starch: Sweeter prices for	Nov		54
study N	Aug	27	64	demand	Aug		6	EC carbohydrates	1404	13	34
EPA's report on waste minimization: Division over waste reduction	Nov	12	12	Can's packaging businessN	July	23	7	Energy Conference and Society of Petroleum Engineers meeting (chart)	Oct	22	14
Hazards transport critiqued Microbes to the rescue: Hazardous waste	July	16	14	Paint	li de	0	00	U.K. chemicals: In the shadow of the oil price decline (chart & table)	Sept		30
biotreatment fights for recognition	Oct		34	Antifouling compounds from coral Chemicals help rejuvenate Miss Liberty	July	9	62 18	Finnish producers go global	Nov		18
Plant closure legislation favored N Waste reduction: OTA focuses on re-	Sept		74	Coatings '86: The big splash from emis- sion-free formulations—report (charts				'Gourmet chemicals' in small, pricey packages	Nov	19	50
ducing waste (table) Ohio State University College of Medicine	Sept	24	17	& tables)	Oct	22	30	Gulf Coast chemicals: Chemicals ride out the Gulf Coast recession (chart)	_	3	6
 Hamparian comments on Merck's antiviral research for cure for the cold. 	Sept	24	49	Coatings: More to coatings than meets the eye — Viewpoint	Oct	22	3	India approves a major petrochemical			
Ohio University of Toledo - Recycling				Du Pont will purchase Ford's paint oper- ation at Mount Clemens, Mich R	Aug	20	17	project	Aug	20 8	67 15
plastics into an enterprise	Dec	17	64	Du Pont completes acquisition R German powder paint producer, Resicoat	Sept	10	15	ITC rating global competitiveness in petrochemicals	Aug	6	54
Oil Field Chemicals Additive for oil-drilling lubricants N	July	2	22	Beschichtungspulver, to be acquired				Japan's petrochemical output continues			
Enhanced oil recovery's nadir: Congress				HDI derivatives to be boosted by Mobay	July	23	45	to fall	Aug	6	36
ups EOR research funding (tables) Jetco Chemicals purchases oil field	Sept	24	12	and Rhône-Poulenc N ICI moves in on U.S. paints and coat-	Aug	6	36	Chemicals ready to go through with LBO	July	2	7
chemicals business of Sooner Chemical Specialties	Sept	10	15	ings; acquires Glidden Coatings &				Oil slowdowns concern quickens: con-	outy	-	
	oopi	10	10	Resins (chart)	Aug	27	13	trols and tariffs called for at API meeting	Nov	19	12
Commodity swings rock U.S. naval stores				tion	Nov	12	20	Portuguese petrochemical complex gets reprieve N	Oct	29	27
(chart)	Oct	1	37	coatings	Sept	24	54	Prices			
Olefins	-			holder of Goodlass Nerolack PaintsR	Oct	8	15	Declining petrochemical prices put more bite into the Superfund tax			
El Paso markets new amorphous poly-				Metallic paints, longer-wearing NP Methylene chloride rule making pro-	Aug	13	31	(table)	Dec	17	6
alphaolefins under the name Rexens Rextac	Dec	3	33	ceeding proposed by CPSCR	Sept		17	SABIC's operations are coming up to speed	Sept	10	37
Higher olefins get a capacity boost from	Dec		14	Paint ethers: EPA gets tough	Aug	13	12	stream	Oct	22	28
Chevron and Shell N	Aug	27	57	chloride: Safer, but will they cost more?	Oct	1	12	World Chemical Congress: Is there an 'identity' crisis in the chemical indus-			
Primary alcohols from terminal olefins N U.S. inventories of olefins expand N	Sept	24	22 46	Polymer encapsulation process: En-	_		45	try? The petrochemical lineup in 1990	Cont	04	65
Optoelectronics		-		capsulated pigment for latex paint Valspar acquiring Enterprise Paint Div.	Sept		45	(table)	Sept	24	65
Molecular electronics. Carbon aims to				of Insilco	Dec	3	5	Petroleum Alaska: A new oil bonanza in Alaska? N	Nov	26	110
dethrone silicon (diagrams)	July	30	32	gentina halts tests of bovine rabies vac-	D		14	Argentina attempts to boost Japanese investment	July	30	29
on CDs	Oct	8	8	cine: Policy hitches halt biotech tests	Dec	3	149	Chevron's World Energy Outlook: A slow growth in demand for U.S. energy N			22
tone in chemical marketsN	Oct	15	25	Paper				Enhanced oil recovery's nadir: Con-	July	10	22
Organic Chemistry—Molecular electronics. Carbon aims to dethrone silicon (dia-				Akzo buys Monsanto's paper chemicals unit	Oct	8	5	gress ups EOR research funding (tables)	Sept	24	12
grams) Organics — Electrolytic hydrogenation	July	30	32	unit	Nov		10	Feedstocks see Petrochemicals	Joph	-	
discussed by UCLA team at AIChE meet-				International Paper acquires Hammer-				Gulf Coast chemicals: Chemicals ride out the Gulf Coast recession (chart)	Dec	3	6
ing	Nov	12	21	mill Paper	Nov		15	ICI and Enterprise will merge oil and gas interests	Dec	24	31
for metal vapor chemistry. Organophosphites — Dover Chemical com-	July	16	34	report	Nov	26	101	Imports: Oil import fee			
pletes plant	Aug	13	16	para-Xylene see Xylene	-			Oil import fee is again on the table N Bentsen will support oil import fee N	Nov	19	66 54
Organosulfurs — Pennwalt expands its plant capacity for organosulfur N	Nov		48	Particles — New particle technology . NP	Sep	17	34	Oil import fee may be included in trade bill	Dec		48
Ortho-phenylphenol — NTP report gives				Patents	E. A	10	15	Imports: U.S. tightens the squeeze on			
ortho-phenylphenol a clean bill of health N	Aug	13	40	AIDS: Pasteur Institute's suit dismissed. R	July	10	15	Libyan oil N	July	9	66

Markets: Two meetings of minds on oil, World Energy Conference and Society of Petroleum Engineers meeting (chart)	Oct	22	14	Plant Location Plant sites: Plentiful but risky Union Pacific's site finder service: en-	Oct	22	69	Resin suppliers await personal compu- ters' rebound (chart)		23	8
Offshore Outer continental shelf development:				vironmental permitting resource (chart)	Dec	24	7	Schulman: A timely switch to plastics (chart)	July	9	34
Administration's OCS plans face trouble	Nov	19	66	Plastic Film American Hoechst doubling PVC film				— Correction	Aug	6	20
Oil slowdowns concern quickens: con-				capacity	Aug	13	5	Thermoplastics see Thermoplastics Thermosets: OxyChem introduces new			
trols and tariffs called for at API meet- ing	Nov	19	12	plant N Chesebrough-Pond's wants to sell vinyl	July	16	33	thermoset compounds N Uniroyal to sell plastics segment to	Sept	17	43
Petroleum products: demand slows N Prices How lower oil prices affect Latin			64	film operation at Anderson, S.C N Envirodyne will buy Filmco Domestic and Filmco International units of RJR	Nov	12	5	Polycast Technology N Plastics see also specific plastic	July	30	7
America	Aug	20	77	Nabisco	Oct	29	5	Plastics Recycling Foundation — Recycling plastics into an enterprise: Rutgers center			
Zaki Yamani replaced by Planning				ford, Conn N	Nov	26	5	pilot plant turns soft drink bottles into reusable resins	Dec	17	64
Minister Hisham Nazer Tax reform: Oil industry fights against	Nov	5	10	Polymer International plans bag-making plant	Sept	3	17	Plating — Audiovisual program explains the hazards of plating operations N	Oct	15	44
tax reform billN U.K. chemicals: In the shadow of the oil	Oct	1	48	Polymer International goes public to to help finance XF film plant	Sept	10	11	Poison & Poisoning			
price decline (chart & table) UN calls for a ban on oil to South Africa. N	Sept		30 15	Polypropylene: Oriented polypropylene	Oct		45	Antidote for antifreeze poisoning in pets N	Oct	1	26
Phenol				films prices	-			Cyanide: EPA pressured to investigate cyanide availability — Gorton in-	001		20
Dow Chemical dioxin effects study				EPA considers lowering level of lead in	Mari	00		troduces bill N	Aug	13	40
covering 2,192 employees at Michigan Div	Oct	1	15	drinking water (table)	Nov	26	10	The push for more cyanide safeguards Politics — Congressional elections: In-	Oct	8	36
lon exchange for removing phenol from waste	July	2	22	Plasticizers Isononyl alcohol: Mitsubishi will use new				dustry keeps watch on Washington Polyacrylates — Acrylic acid capacity	Nov	12	13
Ortho-phenylphenol gets a clean bill of health from NTP N	Aug	13	40	method to produce INA N Prices N	Oct	1	36	expands worldwide (chart)	Oct	15	6
Pricas N Schenectady Chemicals' alkyphenols	Dec	17	56	FricesN	Oct	1	24	fibers precursor in Williamsburg, Va.	July	16	17
plant onstream at Freeport, Tex N	Oct	15	25	Plastics ABS: Borg-Warner's big stake in ABS	Sept	17	9	Polyalphaolefins — El Paso markets new	July	10	17
Phenolics				ABS: Borg-Warner's big stake in ABS ABS: imports-exports: Chemicals roll as	Dec			amorphous polyalphaolefins under the name Rexens Rextac N	Dec	3	33
Borden ups phenolic resin capacity N Reichhold doubles its terpene-phenolics	Dec		34	dollar tumbles (table). Aseptic food ingredients tested by Her-	Dec	3	8	Polyamides — Mitsubishi licenses specialty aromatic polyamide resin and molding			
capacity	Sept	10	5	cules a hearty aseptic packaging market foreseen	Oct	1	24	compound technology to SolvayN	Nov	5	26
plastic patent in Japan N Philippines — Synthetics vs. coconut de-	Oct	15	5	less/	Nov	19	11	Polyarylates Du Pont's push in polyarylates: new line			
rivatives: ban on use of AB sulfonates pushed N	Oct	1	36	Automotive: Plastics producers gear up for the battle of Detroit	Nov	5	6	M and Arylon.	Nov	12	9
Phosphate	OCI	,	30	Barrier plastics: American Can expands plastic container outputN	Aug		57	Thinner films from Japan NP Polybutylene Terephthalate — Celanese	Sept		34
Agrico Chemical acquires phosphate				BP Performance Polymers broadens its				to acquire GAF's PBT businesses Polycarbonates— Resin producers cash in	July	16	8
reserves in Florida Oct 15-8, R Brewster's Florida phosphate operations	Oct	15	16	U.S. base	Sept		7	on CDs	Oct	8	8
raise environmental questions: In the wake of wetlands mining	Oct	15	13	Conductive plastics: EPA will set RFI	Sept	10	3	Polychlorinated Biphenyls EPA pushes criminal sanctions: Dereck-			
Denmark's Superfos wants South African	Aug		67	radiation limits	Aug	20	14	tor indicted for burying transformers		14	
phosphate N Superfos granted permission to im- port South African phosphate N	Aug		26	Engineered Plastic Components, joint venture of Alcoa Fujikura and Plastics	· ····································			and PCBs at his farm (table) Holden, Mo.: A small town's problem	Sept	17	16
DAP: quotas prevent Italy from getting				Management	Dec	3	15	spurs call for big changes in PCB legislation	Sept	17	8
U.S. DAP N Florida Supreme Court refuses to recon-	Aug	21	26	(chart & table)	Nov	5	33	National Electric's Coffeyville, Kan. incinerator to burn PCBs gets EPA			
sider case involving mineral rights under Florida's waterways R	Sept	3	17	Europe's resin makers enjoy an upbeat mood — Kunststoff-'86 (K'86)	Nov	19	8	approval for test burnsN	Sept	24	22
Gypsum weighs in for sulfur recovery: Davy McKee's circular grate turns				FRP composites: Azdel — a new GE- PPG venture	July	16	7	Polyester Brazil: Rhodia plans polyester film plant N	July	16	33
phosgyp into sulfuric acid (diagram) Radon is a hot issue for the phosphate	July	23	33	Fire safety of plastics improved with UC's Ucarsil FR	Aug	20	73	Brazilian polyester plant will be restarted by a joint venture	Sept		32
Rock prices: Phosrock secures higher	Sept	10	39	Fluoroplastics: More fluoroplastics, more competition	Oct		21	Filaments that can generate heat N Japan-U.S. Trade squabble over textiles	July		22
prices N Phosphazenes — Fluids with fire-resistant	July	30	36	— Letter	Nov		4	see Fibers			
propertiesN	July	9	61	GE defends its Noryl plastic patent in Japan N	Oct	15	5	Polyetheretherketone —Thinner films from Japan N Polyetherimide — GE opens Ultem plant	Sept	1. 17	34
Phosphoric Acid — Dumping charges filed against Belgium and Israel N	Dec	3	33	General Electric Plastics: A corporate	OCI	13	3	at Mount Vernon, Ind R	Oct	15	16
Phosphorus — Finland: Kemira can move ahead with its phosphorus plans N	Oct	29	27	giant's synthetic resins are a fast- growing 'core business'	Nov	12	30	Polyethersulfone — Thinner films from JapanNP	Sep	1 17	34
Phosrock Export Assn. — Higher prices secured for four Japanese customers . N	July	30	36	Japanese resin compounds for U.S. auto makers N	July	2	31	Polyethylene			
Photography				K-Bin begins producing plastic molding compounds	Dec	17	15	Antistatic resins	Sept	12	44 54
Eastman Kodak-Polaroid case: Supreme	0			Korean marketplace eyed by Du Pont and GE	Nov	5	5	Dow to boost capacity		24	34
Court ruling	Oct		48	Kuhlman purchases plant of Apex Metals Kit Kitchener to produce molded				Ampacet will be U.S. sales agent N Europe's resin capacity: Still dropping	Aug		18
in business under its old name Physical Properties — Characterization of	Oct		26	plastics	Aug	13	16	(chart & table)	Nov		33
polyimide physical propertiesN	July	9	61	markets	Oct	15	25	thylene operations N HDPE: Air Products will produce HDPE	July	30	29
Pigments Dainichiseika Color and Chemicals Mfg.				plastic packaging (table)	Oct	15	38	barrier containersR	Oct	22	21
acquires Pope Chemical R	Nov	26	15	Plastic alloys, Triax, from Monsanto . N Plastic resins: U.S. trade position	Aug	0	41	Baton Rouge, La. plant	Oct	8	41
Engelhard will expand calcined kaolin capacity	Nov	5	40	weakens — SPI data N Plastics '86: Passing 50 billion lb/year	Dec	17	56	as dollar tumbles (table)	Dec	3	8
Pilot Plants — CRI International's miniature refinery will develop catalyst know-how. N	Nov	5	26	and still growing — report (charts & tables)	Dec	17	22	Hungarian-Japanese joint venture in polyethylene foam	July	23	21
				Engineering plastics: Increasing com- petition for metals	Dec		23	Hungarian LLDPE plant is up and run- ning	Sep	1 24	54
Plping Design: new computer aid for piping		0-	00	Reinforced plastics: On the fast track Polyethylene: Still room for growth	Dec	17	32 36	LLDPE: Chinese plant contract to Sino- Kellogg N		24	34
designs from Calma N FERC explores deals between gas pipe-	Aug		38	Polypropylene: Producers are running flat out	Dec		45	LLDPE demand should keep rising N National Distillers' push for the top		27	57
lines, affiliates	Dec	3	54	Polystyrene: A new lease on life	Dec	17	49	in polyethylene: acquisition of Enron Chemical (chart)	Oct	1	8
Texas?	Aug	13	8	PVC: A turnaround this year Pollution at sea: problem of plastics	Dec	1/	53	Novacor and Westlake sign joint sales			40
sinks: EPA considers lowering level of lead in drinking water (table)	Nov	26	10	pollution at sea focuses on ratifica- tion of MARPOL's Annex V N	Aug	20	84	Contract N Operating rates up N	Nov	24	34
	1101	20	10	Polymer alloys and blends: On the track of new polymer blends (table)	July		6	Plastics '86: Passing 50 billion lb/year and still growing — report (charts &			
Plant Genetics Field tests see Genetic Engineering				Record U.S. plastic resin sales in 1986: SPI data	Dec		56	tables) Polyethylene: Still room for growth	Dec	17	22 36
Rhône-Poulenc Agrochemie and Calla-				Recycling plastics into an enterprise:	560		50	Prices: Ethylene and PE tabs: A tenuous		12	36
han Enterprises joint venture in her- bicidc-resistant plants N	Dec	17	5	Rutgers center pilot plant turns soft drink bottles into reusable resins	Dec	17	64	link? (chart)		1 3	51

Prices: LDPE and LLDPE N July 16-17, N	Sept	10	17	Polypropylene: Producers are running flat out	Dec	17	45	Ultrasonic method finds flaws in ceramic	Oct	15	44	
Prices: polyethlene inches up a nickel; rising U.S. demand could crimp exports (chart)	July	23	9	PP copolymers: Japanese resin com- pounds for U.S. auto makers N	July	2	31	powders N Practising Law Institute — LaFuze discusses Washington's propatent court,	OCI	13	-	
Talwan PE plant will use Unipol pro-	Oct		27	Prices N Sept 10-17, N Sept 24-62, N Prices: Oriented polypropylene films	Dec	10	43	CAFC Precursors — BASF will make PAN, car- bon fibers precursor, in Williamsburg,	Dec	24	15	
Polyethylene Glycol — Fibers with built- in 'antifreeze': PEG "phase-change"	OCI	28	21	prices N Sales of polypropylene soar N	Oct	29	45 41	bon fibers precursor, in Williamsburg, Va. plant	July	16	17	
materials	July	9	20	Spain's Alcudia considers a new PP	July	30	29	Preservatives - FDA bans sulfites on	July		40	
Polyethylene Terephthalate Bottles: Eastman will expand PET bottle				facilityN Polysaccharides — Hyaluronic acid: Skin- treatment products	Dec		21	salads, raw produce	outy		40	
resin capacity N	July	30	36			-	-	big potential (diagram)	Oct	1	29	
Coca-Cola loses exclusive rights to plastic can from Petainer N Potential outruns profits in plastic pack-	Dec	24	34	Polystyrene Argentina: Monsanto may raise PS plant	Nov	26	101	lines target corporate crime Prices also see specific chemical, com-	Oct	8	15	
aging (table) Producers gear up to meet rising	Oct	15	38	capacity	Nov		101	modity, etc.				
Polyimides — Characterization of polyimide	Aug	13	6	Dow's new technology licensing pact with China	July		25	Printers & Printing				
physical properties	July	9	61	Dow to boost capacity N Europe's resin capacity: Still dropping	Dec		34	Aunyx may file possible antitrust suit against Canon over copier toners . N Dainippon acquires Hartmann Druck-	July	16	5	
doors for liposomes	Aug	6	39	(chart & table)	Nov	5	33	farben, printing inks maker N	July		7	
Polymers Advanced materials: Airing the health	4.		14	ical set joint venture in plastics	Oct	15	25	Sun resists a takeover by DIC	July	23	9	
Arco and Air Products developing poly-	Nov		13	Japan's MTC shuffles its polystyrene capacitiesN	Oct	22	28	business to Dainippon for \$550	Aum	07	14	
alkylene carbonate polymers N Battelle's transparent elastomer: A new	Oct		19	Mobil Chemical may expand PS plant at Jollet, III	Nov	26	101	million	Aug	21	14	
see-through rubber looks for work Dartco reduces the prices for Xydar	Aug		51	Operating rates up	Dec	24	34	and long-term payouts'	Aug	13	32	
compounds N Engineering polymers: K'86 — Resin	Nov	5	40	and still growing — report (charts & tables)	Dec		22	Product Liability				
makers enjoy an upbeat mood	July		24	Prices N Sept 3-51, N Oct 29-45, N	Nov		49	Asbestos: No limit set on asbestos punitive damages	July	16	40	
more competition	Oct Nov	15 19	21	Polytetrahydrofuran — BASF, GAF boost capacity for acetylenic chemicals N	Aug	6	5	Tort reform Product liability stumbles	July	2	14	
Japan's Denka to build commerical plant to make modified maleimide	1404	10	-	Polyurethane				Product liability reform founders N Liability law reform: Judicial resistance	Sept		58	
resin	Dec	24	24	Building codes come under fire: N.Y. to investigate materials for their toxicity	lube	0	22	is foreseenN	Dec	10	48	
Metal vapor chemistry: High hopes for metal vapor chemistry	July	16	34	when burned. — Letter Rim polyurethane pushed as a rub-	July		22	Production				
Mitsui Petrochemical puts its polymer into disks N	Sept		18	ber substitute	Oct	22	60	Chemical industry leading indicator (chart & table) July 2-16, Aug 6-6,	-			
Nail polish, polymer-based NP Neutralizing acid in motor oils: polymeric	Aug		31	pansions in Saflex	Aug	6	20	Sept 3-52, Nov 5-17,	Dec		29	
particles	July	2	22	Polyvinyi Chloride American Hoechst doubling PVC film				— Clarification	Oct	22	21	
market	Oct		10	capacity	Aug	13	5	Operating rates N Oct 22-60, N Nov 19-48 N	Dec	17	56	
of new polymer blends (table) Polymer encapsulation process: En-	July		6	imports: Brasivit Resinas Vinilicas seeking permission to build com-				For chemicals, 'a pretty good quarter' (table)	Sep	10	6	
capsulated pigment for latex paint Polymer Technologies Inc., a for-profit	Sept	3	45	plex	Oct	22	28	2-40, July 30-35, Aug 27-8, Oct 1-20, Oct 29-32, Nov 26-96,	Dec	24	16	
subsidiary, formed by University of Detroit	Aug	27	16	investigate materials for their toxicity when burned	July		22	Operating rates for PE and PS N Quarterly chemical output report (table)	Dec		34	
RTZ's Interchem buys Celanese's spe- cialty resins and water-soluble poly-	beter	22	04	European Vinyls Corp. to begin trading	Oct		4	Sept 17-31, Quarterly production forecasts (charts)	Dec	17	67	
mers businesses:	July		21	on Oct. 1	Aug		17		Nov	19	60	
nology licensed to China	Aug		20	(chart & table)	Nov	12	33 46	Oct 22-64. Proppants — Standard Oil set for divestiture	July		23	
Superpolymers, PBZ, will be developed jointly by Dow and Commtech N	Dec		16	Monomer producers fight for higher prices	Sepi		32 9	Propylene				
PBZ: A class of polymers unto itself . UC sells engineering polymers and	Dec		8	Plastics '86: Passing 50 billion lb/year abd still growing — report (charts &	1400	14		Consumption up N Markets: A stronger tone in chemical	Aug	13	18	
advanced composites businesses to Amoco	July	2	14	tables)	Dec		22 53	markets N Prices N	Oct	27	25 57	
Water-soluble polymers: Hercules and Henkel form joint venture, Aquaion	,			Producers' hopes rise as lead use sinks (table).	Nov		10	U.S. propylene shipments to Europe	Aug	20	18	
GroupN	Nov	12	5	South Africa: General Mining Union's Kinross gold mine fire stays a				Propylene Carbonate — Arco has high	Sepi	17	43	
Polyolefins Dexter Corp. acquiring Research Poly-				VCM see Monomers	Oct	1	15	carbonate makes the glue more bind-				
polyolefin producer	Sep	t 17	19	Vista Chemical to acquire PVC com- pounder, BP Performance Poly-				Propylene Glycol — Prices N	Dec	22	96 34	
National Distillers' push for the top in polyethylene: acquisition of Enron				Wista restarts a specialty PVC com-		17	5	Propylene Oxide				
Chemical (chart). Polyphenylene Oxide — GE Plastics Group	Oct	1	8	pounding unit	July	16	17	Dow boosts capacity at Stade, West GermanyN	July	2	31	
and Huntsman Chemical set joint ven- ture in plastics productsN	Oct	15	25	outruns profits in plastic packaging (table)	Oct	15	38	Korean joint venture	Sept		45	
Polyphenylene Sulfide Japan's Kureha will produce poly-				plastics, more competition	Oct	15	21	Protein BIOCES: protein engineering system				
phenylene sulfide N	Aug	13	28 41	Portugal — Petrochemical complex gets reprieve	Oct	29	27	from Japan	July	23	50	
Toyo Soda will produce PPS com- pounds in the U.SN		22	60	Potash Caustic potash market: A well-supplied				of a cure for the cold	Sepi	24	49	
Polypropylene	001	-	00	market attracts bold new players Exports: North American potash ex-	July	2	8	stimulating factor, GM-CSFN Skin-treatment products cast a rosy glow	Aug	27	38	
Europe's resin capacity: Still dropping (chart & table)	Nov	v 5	33	ports soar	Nov	12	46	(tables)	Dec	24	20	
Hercules ups its U.S. fiber ante: poly- propylene staple fiber expansions	Oct		11	potash convenyor belt N	Nov		40 35	Wolfe objects to HSIA's new submis- sions on DCM	Dec	24	14	
Himont completes revamping of U.S. PP plants		12	46	Prices	241)	-	-	Public Relations				
Mitsui awards contract to Stearns Cat- alytic World	Aug		20	joint venture in potassium carbonate.	Oct	1	5	CIIT considers changing its name and its image	Oct	15	41	
Mobil plans OPP film capacity expansion at Stratford, Conn N		26	5	Armand Products N Potassium Cyanide — The push for more cyanide safeguards Powder Coating Institute — Coatings '86	Oct		36	company community relations: Facing up to the new challenge		16	28	
Neste extends its PP capacity with pur- chase of Himont's PP plant at Ber-				Powder Coating Institute — Coatings '86 — report (charts & tables)		22		Evangelists for technology. Irvin Schwartz — Other views		5	3	
ingen, Belgium		15	14	Powders				Getting to the heart of your constituency Viewpoint		16	3	
and still growing — report (charts & tables)	De	c 17	22	Coatings '86 — report (charts & tables)	Oct	22	30	Reassuring a skeptical public on chemicals. Jay A. Young — Other views	Nov	19	3	

Dula & Denay				Platest Personal Laboratories and							
Pulp & Paper Biopulping: Wisconsin researchers court papermakers for a consortium.	Nov	5	10	Biotech Research Laboratories puls many — but not all — its research contracts in Du Pont's basket	Aug	10	12	in search for sweeter sweeteners . N Therapeutic products: Pfizer and T Cell Sciences team up to develop prod-	Aug 1	3	30
Orought affect on pulp and paper mills	Aug	6	24	Biotechnology: How contract/collabora- tive research is funding biotechnology				ucts for the treatment of rheumatoid arthritis and type I diabetesN	Cont 1	10	00
Repligen's enzymes for pulping wood .	Sept		12	companies' R&D (chart)	Dec	3	12	Truex solvent extraction process: A	Sept 1		22
Purchasing				producers respond with heavy re-				process to downsize nuclear wastes U.K. chemicals: In the shadow of the oil	Dec 2	64	30
Purchasers offer an upbeat outlook: NAPM conference	Oct	29	12	search commitments	July		11	price decline (chart & table)	Sept	3	30
Purchasing managers extend their	Aug	27	40	Pfizer and Onocogene Science N Center for Advanced Research in Bio-	July	16	22	access to agricultural research N The U.S. shares its know-how: Federal	Oct	15	44
Purchasing managers: Let's hear it for	Aug		48	technology groundbreakingR Chaos may offer a clue to chemistry Chemist temporaries: Now you can 'rent	Nov Sept	26	15 29	Laboratory Consortium links private and public research (map)	Dec 2	24	12
purchasing managers — Viewpoint Purification — Advanced technology	Aug	27	3	Chemist temporaries: Now you can 'rent				Yale's Brudvig discovers how plants	000 2	Cod.	
Materials wants backers for ultrapurifica-	Oct	20	19	a chemist'	Aug	20	24	generate oxygen N	Dec	17	21
tion process N Pyrotechnics — Chemicals help rejuvenate Miss Liberty (table)	July		18	Chromatography: A supercritical route to compound analysis — supercritical fluid chromatograph	July	2	34	Resins			
A flashy Fourth of July	July		19	Clean coal: Acid rain spurs clean-coal	Nov	12	40	ABS see Plastics Antistatic resins	Nov	12	44
				Cold cures: In hot pursuit of a cure for the cold; Merck and Sterling's anti-	,,,,,	-		Antistatic resins	Dec		34
D				virals; Nova trying bradykinin	Sept	24	49	of GAF's PBT businesses	July	16	8
n				Corn: Molecular Genetics and Rhône- Poulenc Agrochimie disease control	hehe	20	10	Composites bite into new applications: dental restorative market	Aug	27	43
Radiation				in corn research agreement R Data bases: ACS helps swell the tide on	July		19	Du Pont's push in polyarylates: new line launched under the names of Bexloy M			
EPA will set RFI radiation limits	Aug	20	14	online data bases (table) DHEA's many promises move toward	Sept		6	and Arylon	Nov		9
the use of MPL to inhibit acute radia- tion syndrome N	July	16	22	DNA see also DNA	Dec	10	36	the resins market (chart) Europe's resin capacity: Still dropping	Nov	26	102
Radioactivity — Radon is a hot issue for the phosphate industry	Sep		39	Electrifying plan to kill bugs: Electrofrac method	Nov	5	41	(chart & table). Europe's resin makers enjoy an upbeat	Nov	5	33
Radio-Frequency Interference — EPA will				Electrochromic compounds: Chemicals			-1.	mood — Kunststoff-'86 (K'86)		19	8
set RFI radiation limits		20	14	that change their color; polymerized electrochromic compounds (chart) .	Oct	8	29	GE opens Ultern plant at Mount Vernon,		12	44
phate industry	Sep	1 10	39	eOR research funding upped: Enhanced oil recovery's nadir (tables)	Sept	24	12	General Electric Plastics: A corporate	Oct	15	16
Railroads Assn. of American Railroads readies an				Exploring inner space without fanfare — Viewpoint.	Sept	24	3	giant's synthetic resins are a fast- growing 'core business'	Nov	12	30
electronic response to chemical spills: ICARIS	Aug	27	64	Ginseng: Getting to the root of ginseng's power	Aug	13	19	Goodyear expands hydrocarbon resin capacity	Dec	3	33
Atchison Topeka and Santa Fe merger	riug		04	Great Britain: Don't sell the Brits short — Viewpoint	Sept		3	Hexcel: Takeover is not for Hexcel Japan's Denka to build commercial			12
with Southern Pacific rejected by ICC: Santa Fe will contest decision N	Aug	13	40	Herbs: Scientists study ancient herbs;	oop.			plant to make modified maleimide	Dan	24	04
ICC asked to reopen rejected mer- gerN	Sep	ot 10	48	Upjohn will analyze 10 medicinal compounds from China	Aug	20	16	resin	Dec		24
Conrail's proposed sellout jumps the tracks	Sep	n 3	6	House Committee on Science and Tech- nology guidelines: A plea for 'scientific				auto makersN Joint venture resins plant at Arco's	July	2	31
Conrail sale: A better than even chanceN		t 10	48	Integrated Sensors Center: cooperation	Nov	12	16	Monaca, Pa. facility	July	23	21
Terms are set for the Conrail sale . N Derailments	Oct	22	- 86	in research on integrated sensors N Inventrepreneurs Forum will bring	Oct	1	26	and GEN National Distillers' push for the top in	Nov	5	5
CSX Transportation freight train de-				together inventors and entrepre- neursN	Aug	27	38	polyethylene: acquisition of Enron Chemicals (chart).	Oct		8
rails in Miamisburg, Onio	July	16	20	Japanese handwriting on the wall -				Packaging: Potential outruns profits in			
Deregulation: The benefits of deregula- tion for fertilizer companies	Oct	15	13	Viewpoint	July		3	plastic packaging (table)	Oct		38
Freight rates see Freight Rates GATX has computerized service for rail				ing wave (tables)	July	9	26	SPI dataN Plastics producers gear up for the battle.	Dec	17	56
car data N Hazardous materials see Shipping —	Dec	c 24	24	but capital spending is falling KMS Fusions's controlled explosions: A	July	9	28	of Detroit	Nov	5	6
Hazardous materials				little bang with a big potential (diagram) Liposome research: New paths for drug	Oct	1	29	on CDs PET producers gear up to meet rising	Oct	8	8
ICC's new measure for rail freight rates	Aug	20	84	delivery	July	30	26 20	demand	Aug	13	6
ICC rate guidelines: Shippers balk N OTA critiques hazards transport	Sep	ot 3 y 16	58 14	— Letter	Aug		4	ialty resins and water-soluble polymers	leabor	22	21
Texas RR Comm. calls for cabooses on trains carrying hazardous waste R	July	y 9	23	Magnetic materials: Kodak and NBS joint research program	Nov	19	25	Record U.S. plastic resins sales in 1986:	July		21
Rayon				Metal vapor chemistry: High hopes for metal vapor chemistry	July	16	34	SPI data N Reichhold doubles its terpene-phenolics	Dec		56
Courtaulds unveils solvent-spun rayon. N — Correction	July	y 2 y 16	35 15	Microbes to the rescue: Hazardous waste biotreatment fights for recogni-				capacity N Resin suppliers await personal compu-	Sept	10	5
Dumping probe: ITA findings R Prices N	Sep	01 3	17	The quest for 'hungry' genes	Oct	29	34 38	ters' rebound (chart)	July	23	8
	Det	6 3	33	Microscopy: Getting a clearer focus on atoms; STM and PEM		1 17	39	exchange resins plant N Sales of resins in 1986; SPI statistics . N	Nov Oct		66 41
Reactors Battelle-C.F. Kettering nitrogen-fixation				Molecular electronics. Carbon aims to				Schulman: A timely switch to plastics			
unit. Old know-how is tapped for new fertilizer units	Aug	9 27	60	dethrone silicon (diagrams)		30	32	(chart)	July		34 20
fertilizer units	No	v 12	21	with short- and long-term payouts' National Technical Information Service:	Aug	13	32	Resorcing — Sumitomo's new route to			
Real Estate — Plant sites: Plentiful but risky	Oct	1 22	69	Dismay greets a plan to take NTIS private (chart)	July	23	16	MAPN Respirators — 3M takes OSHA to court	Aug	20	73
Refining	-			Nobel Prize in Chemistry (1986) shared by three chemists for developing re-				on respiratorsN	Sept	17	56
Antimony pentoxide additive takes the	to the		50	action dynamics	Oct	22	8	Restoration Statue of Liberty: Chemicals help re-			
sting out of heavy metals for refiners. N CRI International's miniature refinery		y 23	50	of new polymer blends (table)	July	16	6	(uvenate Miss Liberty (table)	July	2	18
will develop catalyst know-how N East Germany's PCK first client for		v 5	26	lated pigment for latex paint		1 3	45	The Statue of Liberty: Everyman's symbol — Viewpoint.	July	2	3
Japanese HSC process N Feedstocks see Petrochemicals	July	y 23	50	Polymerization opens doors for liposomes Recycling plastics into an enterprise:	Aug	6	39	Rockefeller University			
Heavy-liquids cracking picks up steam . N Renewable Fuels Assn. — Ethanol's viability	No	v 12	21	Rutgers center pilot plant turns soft drink bottles into reusable resins	Dec	17	64	Aminoguanidine: compounds that may prevent arteriosclerosis	July	9	61
fuels dispute	Oc	t 1	13	Rhône-Poulenc reorganizes research activitiesN	Nov	5	32	Antibiotics that show the broadest spec- trum yet N			21
Reppe chemicals: Standard Oil Chemi-	0.		-	Schulman: A timely switch to plastics	July		34	Rosin	001		
cal contract with Davy to study facility N Sohio explores butane uses		c 10 c 17	20	(chart)	Aug		20	Commodity swings rock U.S. naval	0-1		0.7
Research				Science incorporates at school: Univ. of Detroit forms Polymer Technologies				stores (chart)	Oct	1	37 24
Ag biotech: Du Pont joins with DNAP and AGS	Oc	1 8	21	Inc., a for-profit subsidiary	Aug	27	16	Rubber			
Animal health: Eastman and Molecular Genetics' cooperative research agree-	-			shock; Xoma's monoclonal and lipid X from Wisconsin-Sandoz	Dec	3	44	Automotive rubber, Zeospan, offered by Nippon Zeon NP	Oct	15	34
ment in animal health care N	No		26	Stevenson-Wydler Technology Innova- tion Act (1980) amended: Trying again				Battelle's transparent elastomer: A new see-through rubber looks for work	Aug		51
Antifouling compounds from coral Biopulping: Wisconsin researchers court	Jul		62	on technology transfer N Sweeteners: DNAP and NutraSweet join	Oct	22	86	Goodrich to buy Hercules' epichloro-			
papermakers for a consortium	No	w 5	10	Cheeterers. Draw and rutinasweet join				hydrin rubber business N	Sept	. 10	5

Polysar selects site in North America to manufacture specialty elastomers R	Oct	8	15	OSHA Asbestos: OSHA is sued by 3M over				Shale Oil — Shale-fired cogeneration tries out in Israel	Dec	3	16
RIM polyurethane pushed as a rubber	Oct 2		60	3M takes OSHA to court on respi-	Aug		54	entists study ancient herbs: Upjohn will			
substitute N Tires see also Tires Uniroyal and Enichem joint venture in				rators N Benzene rule making: Monsanto loses	Sept	17	56	analyze 10 medicinal compounds from China	Aug 2	20	16
Europe N Rubber Manufacturers Assn. — ICC rate	Dec	3	5	a round in a benzene case	Dec	24	6	Shipping			
guidelines: Shippers balk	Sept	3	58	enedN Formaldehyde: OSHA looks at some	Aug	6	54	Deregulation: The benefits of deregula-	Oct	15	13
Russia				new formaldehyde dataN	Dec	24	40	Harmonized code for classifying imports and exports: Streamlining the paper-			
Ammonia exchange agreement with Kuwait	July 3	30	29	Glycol ether standards: comments soughtR	Dec	10	18	work of trade (tables)	July	9	8
around Chernobyl N	July 2	23	50	Hazard communication standard OSHA adjusts its hazard communi-				Hazardous materials Congr∋ss fires at hazardous materials			
Finland's Kemira discusses Soviet Joint ventures		3	24	cation rule N States get back in the act on right	Oct	8	50	OTA critiques hazards transport		23 16	56 14
Greek alumina project may be revived by agreement between Soviet Union				to know N Hazard communication one year	Oct	22	86	Ohio calling for right-to-know law tightening regulations of hazardous			
and Greece	Sept 1	17	32 71	later (tables)	Dec	17	73	chemical transportation R Texas RR Comm. calls for cabooses	Oct	8	15
NH, draws a crowd (chart & tables)		23	26	rule N	Dec	24	40	on trains carrying hazardous	July	9	23
Planning a Soviet-U.S. venture: Russians seek U.S. know-how to help boost their				Laboratory workers: new standard provides greater protection while				waste			
economic growth	Sept 2	24	19	reducing the compliance cost N Methylene chloride: OSHA zeroes in	July		42	getherness	July	30	23
into an enterprise: Rutgers center pilot plant turns soft drink bottles into reusable				on methylene chloride N OSHA may call for a recount on	Dec	3	54	A new see-through rubber looks for work	Aug	27	51
resins	Dec	17	64	recently released dataN Record keeping: Monsanto hit on	Nov	26	110	PPG expands Taiwan silica operation R	Aug	20	17
				record keeping N	Dec	17	78	Silicon Defense Production Act: A federal plea			
•				Record keeping: rule will ease em- polyers' record-keeping tasks N	Oct	8	50	for high-purity silicon N	Oct	22	86
S				Record keeping: UC cited for viola- tions of record keeping at South				French/German amorphous silicon pro- duction pactN	July	16	22
				Charleston, W.Va. and Linde Div. West Mifflin, Pa. plants N	Sept	24	74	GE building water treatment system for silicon plant at Waterford, Conn R	Aug		17
Safety Advanced materials: Airing the health				Special Emphasis program is falling short N	July		56	Molecular electronics. Carbon aims to dethrone silicon (diagrams)	July		32
risks — Harvard Univ. symposium AIChE points the way to chemical process	Nov :	26	13	Pollution control see Air Pollution; En- vironment; Water Pollution				Nippon Kokan plans polycrystalline sili- con plant at Millersburg, Ore N	Dec		5
safety: Center for Chemical Process	July :	30	38	PBBs see Polybrominated Biphenyls PCBs see Polychlorinated Biphenyls				Silicon dispersion NP	Sept		34
Safety set up				Reassuring a skeptical public on chem-		40	•	Silicones	-		
ards	Oct	8	21	icals. Jay A. Young — Other views Right-to-know	Nov	19	3	Prices for silicone products N Skin-treatment products cast a rosy	Aug	6	24
of plating operationsN BASF's Geismar, La. complex: union	Oct	15	44	Ohio calling for right-to-know law tightening regulations of hazardous				glow (tables)	Dec	24	20
allegations of health and safety viola- tions likely to be aired at hearings N	July	2	7	chemical transportation R States get back in the act on right to	Oct	8	15	proved training, plus	Oct	22	24
Bhopal, India, tragedy UC appeals one condition R	July		15	knowN Risk assessment	Oct	22	86	plant N Sizing — Hercules plans sizing agents unit	July	9	47
Carbide realleges sabotage	Aug Sept	20	13 15	EPA readies guidelines for risk assess-	0	•	50	at Hattiesburg, Miss	Aug	6	20
Carbide asks for equal footing in the			5	ment	Sept	3	58	Chemicals Div.: Unocal's chemical chief			
Bhopal case		1		Prevention Act (H.R. 1309): Indus- try gears up to quash a risk bill N	Sept	17	56	is cheerful in adversity	Aug	6	42
act' at Bhopal (diagram) The Bhopal case: Inching toward a	Nov		8	A 'smart' way to assess risk: software from Teknowledge N	Dec	10	20	Section annual meeting: EC producers stress integration	Oct	22	13
resolution	Dec	3	5	Russia: Speculation about a wall around	July		50	Society of Manufacturing Engineers — Composites Group meeting: Composites			
investigate materials for their toxicity when burned	July	9	22	Chernobyl	Dec		28	'get it together'	Nov	26	14
Letter Cameroon suffers volcanic explosion:	Oct		4	SwRI tests: In a fire, worry less about HCl than about CO	July	23	50	market: Two meetings of minds on oil			
French government sends disaster				Texas farm workers fighting to be in- cluded under the state's HCA: Seek-	_			(chart)	Oct	22	14
experts to assist in dealing with the aftereffects	Sept	3	18	ing toxics data down on the farm WHO wants guidelines for woman	Dec	17	16	South Conference: New polymers enter a competitive market	Oct	15	10
Chemical spills Assn. of American Railroads readies				chemical workers N Salicylic Acid — Brazilian aspirin dispute	Aug	27	26	Society of the Plastics Industry			
an electronic response to chemical spills: ICARIS	Aug	27	64	settled	Oct	1	36	Council on Plastics and Packaging in the Environment formed R	July	23	21
DOÈ readies its new test site for haz- ardous materials spills	July		15	'bite'; market for sanitizer chemicals	Sep	t 17	19	ICC rate guidelines: shippers balk N Plastic resins: Record U.S. plastic resin	Sep	t 3	58
The hidden problem of underground storage	Sept		38	Saudi Arabia				sales in 1986 but the trade position weakens	Dec	17	50
California's law is getting mixed reviews	Sept		39	Oil Minister Sheik Ahmed Zaki Yamani replaced by Planning Minister Hisham	***		40	Plastics South Conference: New polymers enter a competitive market		15	10
Florida gets tough in its buried-tank				Recycled oil refinery to be built N	Nov	27	10	Polyurethane Div. meeting: RIM poly-	Oct	10	11
Chlorine fire at Jones Chemicals ware-	Sept	24	41	SABIC's operations are coming up to speed		ot 10		tute		22	
house in St. Petersburg, Fla. foils firemen	Aug	13	12	TiO ₂ plant proposed N Scrubbers — Dry scrubbing system to be	Oct	22	60	Styrene prices push up a notch	Oct	8 t 3	4
Cyanide: EPA pressured to investigate cyanide availability	Aug		40	installed at PSCo's Cherokee station N	July	y 30	22	Vinyl Institute: Vinyl demand still has room to grow		3	
Cyanide: The push for more cyanide safeguards	Oct		36	Sealants				Soda Ash			
r-DNA work is safe says OECD N Drugs see Drugs	Nov		40	Chemicals help rejuvenate Miss Liberty (table). Dow-Corning completes purchase of	Jul	y 2	18	Exports to rise	July	, 2	3
Emergency response programs				Hansii Liu	Au	g 27	7 22	in business under its old name	Oct	15	2
CHÉMTŘEC has a HIT (Hazard Infor- mation Transmission)	Sep	t 17	18	Seals — Elastomer use in sealing devices is growing	Oc	t 29	45	Hentey Group sells a 49% stake in Wyoming soda ash N		22	
CHEMTREC makes a solid hit — with HIT — Viewpoint	Sep	t 17	3	Semiconductors	-			Kerr-McGee cuts soda ash capacity . N South Africa: AECI and BP consider a	No	v 26	10
HIT — Viewpoint	Dec	24	40	Advanced materials: Airing the health	61-		2 42	joint ventureN	July	y 23	4
Data base, info-Hazmat: New help for responding to emergencies . N				risks — Harvard Univ. symposium Athens system cleans 'piranha' baths:		V 2		Sodium Bicarbonate			
Emergency drills: Just in case the		3	16	unit reprocesses sulfuric acid Molecular electronics. Carbon aims to				Dry-scrubbing acid gases with bicarbon- ate of soda N Dry scrubbing system to be installed at	Oc	1 29) 1
worst case happens — companies participate in volunteer CAER emer-				dethrone silicon (diagrams) Northwestern Univ. method fabricates	Jul	ly 3	0 32	PSCo's Cherokee stationN		y 30) 2
gency drills	Nov	/ 19	43	semiconductor devices N	Oc	et 2	2 66	Prices N		1 15	
Ucarsil FR	Auc	20	73	Separation				Sodium Chlorate Canada: Sodium chlorate plant at Valley-			
fires at hazardous materials trans-		, 00	50	Alcoa ups the ante in separations tech- nologyN	De	ec 2	4 5	field, Que.; power rates are key to			
port	July	23	56	Permea's membrane gas separators: A new generation	Se	ept 1	0 22	plant's survival N KemaNord will reduce capacity N	Au	pt 24 g 20) 1
Joliet, Ill. is ready for the worst: join	t Dec	c 10	14	Rohm and Haas will expand in high-value separations with acquisition of				KemaNord will reduce capacity N Prices N Sodium Cyanide — The push for more	Se	pt 3	3 5
emergency response program	July	y 30	15	SupelcoN	Ju	ity	9 5	cyanide safeguards	Oc	t E	3 3

Sodium Ferrocyanide — Prices N Soil Sterilization — Electrical bug-killing	Aug		18	Sweeter prices for EC carbohydrates Starr, Leon ("Lee"), v-p for technology at	Nov 1	9	54	Nynaes Energy Chemicals energy com- plex setbacks: Superfos drops out N	Sept 1	7	32
and soil sterilization method: Electrofrac Solar Power — Japanese car powered entirely by amorphous solar cellsN	Nov	5	41 26	Celanese: His career started off with a 'bang'	Dec	3	40	Sweeteners DNAP and NutraSweet join in search			
Solvents				Statue of Liberty Chemicals help rejuvenate Miss Liberty				for sweeter sweeteners	Aug 1	3	30
Chlorinated solvents prices N	Dec		34	(table)	July	2	18	AlitaneN	Sept	3	34
Courtaulds unveils solvent-spun rayon N EPA issues land disposal standards for	July	2	35 56	The Statue of Liberty: Everyman's symbol — Viewpoint	July	2	3	Switzerland Ammonia converter wins new cus-			
spent solvents N Hill Petroleum will produce BTX N		13	18	tem debuts in an H ₂ SO ₄ plant in Nor-				tomers N Ciba-Geigy's Schweizerhalle plant leak:	Aug	6	41
Methylene chloride under new attack for its use in decaffeinating coffee N	July	2	44	stearic Acid — Neutralizing acid in motor	July		22	fumes escape into the atmosphere . R	Nov 2	6	15
Mice may make poor DCM test models Paint strippers to replace methylene	Dec		14	oils: polymeric particles N	July	2	22	Copechim lines up countertrade with Yugoslavia N	July	9	25
chloride: Safer, but will they cost more? Shell opens an automated solvents ter-	Oct	1	12	As steel falters, chemicals hold	July 3	30	18	currency fluctuations affect Swiss re- sults: drug majors sales down N	Aug	6	36
minal in Carson, Calif N Stripping solvent contains methylene	Oct	1	24	European steel exports to U.S. rise R Steroids — DHEA's many promises move	July	9	23	Rhine River pollution watch: Switzerland and Sandoz accept responsibility for			
chloride substitute NP Woburn, Mass.: Grace found guilty of	Oct	15	34	toward fulfillment	Dec	10	36	contamination	Nov 1	9	20
contaminating two drinking wells with	Aug		20	Stevens Institute of Technology Acid rain spurs clean-coal research	Mari		40	many	Dec 1	0	43
two solvents	Oct	6	5	Membranes go to work against waste .	Nov :		109	tion	Dec 1		71
Woburn: There must be a better way — Viewpoint	Oct	8	3	Stockpiles — Canada: sulfur recovery is planned at Alberta stockpiles N	Aug	13	18		Nov 2	.0	21
'No winners' in an \$8-9 million settle- ment	Oct	8	18	Storage				Synthetic Organic Chemical Manufac- turers Assn.			
Sorbitol — Dumping probe: ITA findings R	Sept	3	17	Dual containment for hazardous waste tanks will be required by EPA N	July	9	66	Chemical export curbs feared	July 1	6	10.
South Africa AECI and BP consider a joint venture in				Everything's on hold in chemical storage Storage tanks in space: AIChE meeting	Sept	3	46	up to the new challenge	July 1	6	28
soda asin	July	23	45	highlight N Underground storage: The hidden prob-	Nov	12	21	Syracuse University — Polymerized lipo- somes research		6	39
nhosphate N	Aug	20	67	lems of underground storage	Sept	24	38		, will		
Superfos granted permission to import South African phosphateN	Aug	27	26	California's law is getting mixed re- views	Sept	24	39	T			
Tiger Oats Ltd	Dec		15	Florida gets tough in its buried-tank	Sept	24	41				
Divestment takes many forms Eastman Kodak pulling out of South	Dec		13	Styrene				Taiwan			
Africa N General Mining Union's Kinross gold	Nov	26	5	Brazil looks to the U.S. Gulf Coast for styrene	Sept	3	5	Formosa Plastics will move upstream: ethylene plan approved N	Oct		28
mine fire: The mine fire stays a mystery South Africa sees little change	Oct		15 16	Imports-exports: Chemicals roll as dollar tumbles (table)	Dec		8	PPG expands silica operation R PE plant will use Unipol process N	Aug :	20 29	17 27
UN calls for a ban on oil to South Africa Southern Agricultural Chemicals Assn. —	Nov	26	15	Korean joint venture N	Sept		7	Protest against Du Pont's proposed TiO.	July	2	35
Pesticide sales off due to drought N	Aug	6	24	Monomers see Monomers Prices	Oct		45	plant N Toxic waste program N	July	9	25
Space Technology				Sugar — Sweeter prices for FC carbo-		3	9	Tanks			
Storage tanks in space: AIChE meeting highlight	Nov	12	21	hydrates. Sulfites — FDA bans sulfites on salads,	Nov		54	Dual containment for hazardous waste tanks will be required by EPA N	July	9	66
3M signs up for space shuttle experi- ments	Dec	17	21	raw produce	July	16	40	The hidden problems of underground storage	Sept	24	38
Westinghouse joins with Space Indus- tries to construct first Industrial Space				use of AB sulfonates: Synthetics vs. coco- nut derivatives N	Oct	1	36	storage California's law is getting mixed re- views	Sept		39
Facility N	Oct	8	21	Sulfur	001	,	50	Florida gets tough in its buried-tank law	Sept		41
Spain		- 00	00	Canada: sulfur recovery is planned at		40	40	Taritta	oopi	64	
Alcudia considers a new PP facility N Alcudia's first president will be Javier		30	29	Alberta stockpiles N Gypsum weighs in for sulfur recovery:	Aug	13	18	American Bar Assn. panel backs free	Aug	20	17
de la PenaN ERT makes some strategic acquisi-		23	45	phosgyp into sulfuric acid (diagram)	July	23	33	trade	Aug July	16	10
tions N EC asked for protection from urea im-	Oct	22	28	Unocal route to remove sulfur from process gases	Nov	26	16	GATT: At least the trade talks got started	Oct	1	48
ports	July		25 20	process gases				GATT's MFA: Japan moves to mitigate	Sept		14
EC fuel specifications: Spain will adapt		15	33	Sulfuric Acid				a fiber flap with the U.S N Harmonized code for classifying imports	Oct	15	33
specifications N MTBE projects planned N	Oct		33	Athens new system cleans 'piranha'	Aug	6	AE	and exports: Streamlining the paper- work of trade (tables).	July	9	8
Specialty Chemicals				baths: unit reprocesses sulfuric acid General Chemical: A big producer is back	Aug	6	46	Italian fiber producers welcome renewal of the Multifiber ArrangementN	Aug		28
ChemDesign: A recession baby's suc- cess story	Oct	22	76	in business under its old name	Oct	15	26	Oil slowdowns concern quickens: con-	Aug	13	20
DeSoto plans to sell several specialty businesses	Oc	8	5	Davy McKee's circular grate turns phosgyp into sulfuric acid (diagram).	July	23	33	trols and tariffs called for at API meet- ing	Nov	19	12
Earnings for four leading specialty chemical companies rise	Au	9 6	5	Monsanto heat-recovery system debuts in plant in Norway N	July		22	U.S. Canada free trade; chemical industry views	Sept	17	56
ical companies rise		v 19	50	Scalia gives EPA a break on acid rain: releases EPA from obligation to	July			U.S. trade squabbles with Brazil and Japan: the rift widens N	Aug		64
Grace again looks to chemicals for growth			24	tighten state sulfuric acid emissions . N	Oct	1	48	Taxation	-8		
(charts)		pt 10 y 23	12	Superconductivity — Metal complexes may help make superconductors N	Dec	3	16	Italy will reinstitute methyl alcohol tax to halt contaminated wine problem . N	July	2	31
language appoints about also The				Surfactants				Lower corporate taxes for chemical			60
Japanese specialty chemicals: The com- ing wave (tables)	Jul	y 9	26	our actually		4 47	25	companies N	July	23	56
ing wave (tables)			26 18	Dexter Chemical is left to a foundation Edelstein's legacy to industry and	Sep	11/	20	Lyondell Petrochemical and Harris			17
ing wave (tables) Statue of Liberty: Chemicals help rejuvenate Miss Liberty (table) The Statue of Liberty: Everyman's sym-	Jul Jul	y 2		Dexter Chemical is left to a foundation Edelstein's legacy to industry and science		t 17	26	County, Tex.: Industry fires up over a property tax dispute	Oct		
ing wave (tables). Statue of Liberty: Chemicals help rejuvenate Miss Liberty (table). The Statue of Liberty: Everyman's symbol — Viewpoint. Whittaker spares its chemicals: will sell	Jul	y 2	18	Dexter Chemical is left to a foundation . Edelstein's legacy to industry and science . GAF buys surfactant and phosphate ester business of Borg-Warner R	Sep			County, Tex.: Industry fires up over a property tax dispute	Oct Nov		20
ing wave (tables) Statue of Liberty: Chemicals help re- juvenate Miss Liberty (table) The Statue of Liberty: Everyman's sym- bol — Viewpoint. Whittaker spares its chemicals: will sell off the rest of its health and metal- fabricating businesses	Jul Jul Jul	y 2	18	Dexter Chemical is left to a foundation . Edelstein's legacy to industry and science . GAF buys surfactant and phosphate	Sep	t 17	26	County, Tex.: Industry fires up over a property tax dispute		12	
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ing wave (tables) Statue of Liberty: Chemicals help re- juvenate Miss Liberty (table) The Statue of Liberty: Everyman's sym- bol — Viewpoint. Whittaker spares its chemicals: will sell off the rest of its health and metal- fabricating businesses. Sri Lanka — Fertilizer plant: Sri Lanka wants to unload plant. N Standardization	Jul Jul Jul Au	y 2 y 2 g 20	18 3 10	Dexter Chemical is left to a foundation . Edelstein's legacy to industry and science . GAF buys surfactant and phosphate ester business of Borg-Warner R Stepan to buy Onyx Chemical segment of Millmaster Onyx	Sep Sep July	1 17	26 20	County, Tex: Industry fires up over a properly tax dispute. Natural gas tax looms in Louisiana. Superfund taxes: Some winners and some losers (table). Tax reform bill Higher taxes for chemical firms. Tax reform: Assessing the impect the federal tax burden at 10 U.S.	Dec Aug	12 17 27	6 21
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Temple University School of Medicine — DHEA's many promises move toward			Du Pont's proposed plant in Taiwan protested	July	2	35	Alpha tocopherol surface application on bacon approved: Saving the bacon			
fulfiliment Tenley, Gien C., president and COO at Koopers — A non-nonsense president	Dec	10 36	Encapsulated pigment for latex paint	Sept	3	45	from nitrosaminesN	Nov	12	56
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ical Congress	Sept 4	24 00	Saudi Arabian plant proposed N	Oct	22	60	Federal aid for gasohol under fire N	Sept	3	58
Terminats Everything's on hold in chemical storage	Sept	3 46	South Korean plant still not approved N Du Pont seeks partner for project . N	Oct	10	60 31	Fibers with built-in 'antifreeze': PEG "phase-change" materials	July	9	20
Shell opens an automated solvents ter- minal in Carson, Calif N		1 24	Tolletries				Hasegawa reports to ACS: hormones	Sept		21
	001		Sales: Brighter prospects for cosmetics	0-4	45	05	sweeten navel oranges N Institute for Microbial and Biochemical			
Testing AIDS: Du Pont, Genetic Systems' AIDS			and toiletries	Oct	15	25	Technology: Microbes to the rescue TEXTRAN service: Greater access to	Oct	29	39
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ardous materials spills	July	16 15	Toxics				Combination Research Center's Perry develops RAPRENOx process which			
for hepatitis BR	Nov	5 14	EPA broadens its list of hazards (table)	July	2	26	uses heated evanuric acid to cut NO.			40
Field tests Agracetus pronounces outdoor test			Seeking toxics data down on the farm: Texas farm workers fighting to be in-				from exhaust DOE and EPA strike waste management	Dec	24	10
of genetically engineered plants a	Oct 2	22 66	cluded under the state's HCA	Dec	17	16	pacts N Hazardous materials spills' new test site	Aug	13	40
success	001	22 00	Tradenames & Trademarks				readied	July	16	15
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pseudorabies vaccine N Rohm and Haas will field-test tobacco	Oct :	29 50	Training Audiovisual program explains the hazards				Fuels — Synthetic fuels; etc.			
plant genetically engineered to re-	Cont	2 24	of plating operationsN	Oct	15	44	U.S. Dept. of Health and Human Services			
sist caterpillars N Forensic test kit NP	Sept		Process simulators give improved training, plus	Oct	22	24	Disease notification bill would establish a risk assessment board N	July	30	42
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labs? Controversy brewing NP Salmonella screening test NP	Nov		Letter Tranquilizers — Bristol-Myers tranquilizer	Oct	29	4	die	Oct	29	14
Ultrasonic method finds flaws in ceramic powders N	Oct	15 44	Buspar, gets FDA okayN	Oct	8	50	U.S. Dept. of Interior — Study of oil and gas deposits in Alaska: A new oil bonanza in			
powders N X-ray microanalyzer, tool for materials			Transportation				Alaska?	Nov	26	110
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ity for acetylenic chemicals N Texas Chemical Council—Seeking toxics	Aug	6 5	tion for fertilizer companies	Oct	15	13 35	U.S. Department of Transportation			
data down on the farm Texas Farm Bureau — Seeking toxics data	Dec	17 16	Truckers and shippers find a new to-				Hazardous waste management: New			
down on the farm	Dec	17 16	getherness	July		23	rules are changing the game — report (charts)	Aug	20	26
Textile Economics Bureau — U.S. fiber makers keep tabs on cotton (chart)	July	16 18	toriumN	Aug	20	67	RegulationsOTA critiques hazards transport		20 16	49 14
	,		Trucks & Trucking Hazardous materials transport: Con-					July		
Taxtiles International Multifiber Arrangement			gress fires at hazardous materials				U.S. Patent and Trademark Office Automation isn't always more efficient. N	July	30	42
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Italian fiber producers welcome renewal of the Multifiber ArrangementN	Aug	13 28	Truckers and shippers find a new to-				U.S. Public Health Service — AIDS vac-	_		
U.SJapan trade squabble over textiles: the rift widens N	Aug	27 64	getherness	July	30	_3	cine: A call for cooperation N University of Akron — Monitoring priority	Sept		58
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Textiles see also Pipers	1101	21	Fertilizer production boom expected. N	July	30	29	Alzheimer's drug treatment — maybe . N	Nov	19	66
Thermal Power — China: Offshore gas may fuel new projects N	July	16 22					Chaos may offer a clue to chemistry: Mandel finds that the analysis of a			
							molecule's hydrophobicity may reveal something about its function	Cont	10	30
Thermoplastics BASF's Chemicals Div. forms Thermo-			U				Electrolytic hydrogenationN	Sept Nov		21
plastic Polyurethane Elastomer seg-	0-4	00 5	_				Ginseng study: Getting to the root of gin- seng's power	Aug	13	19
ment to introduce its product in U.S N Composites 'get it together': producing	Oct	29 5	Ultrasonics — Ultrasonic method finds				Insecticides from enzyme inhibitors . N	Sept	17	21
composites with thermoplastics dis- cussed at COGSME meeting	Nov	26 14	flaws in ceramic powders N	Oct	15	44	Integrated Sensors Center: cooperation in research on integrated sensors . N	Oct	1	26
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Dexter Corp. acquiring Research Polymers International, thermoplastic			Ban on oil to South Africa called for N United Nations Environment Program:	Nov	26	15	in Chemistry	Oct Sept	24	22
polyoletin producer	Sept	17 19	Worldwide moves to protect ozone	Dec	17	12	University of Colorado Medical School — Nova licenses bradykinin analogs	Sept	24	52
Engineering resins: Change comes to the resins market (chart)	Nov	26 102	WHO wants guidelines for woman chemical workers	Aug	27	26				
K'88: Europe's resin makers enjoy an upbeat mood	Nov	19 8	U.S. Air Force — Wright Aeronautical Labs: PBZ — A class of polymers unto				University of Delaware Belli reports to ACS meeting: Crabs may			
Monsanto's international plans for			itself	Dec	10	8	improve a biosensorN	Sept	17	21
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Plastics '86: Passing 50 billion lb/year and still growing — report (charts &			Battelle's new transparent elastomer: A new see-through rubber looks for				Materials	Sept	10	15
tables)	Dec	17 22	work	Aug	27	52	Technologies Inc. a for-profit subsidiary:			
Mastics procedures dear up for the	Nov	5 6	Chemical weapon stockpile may be burned	July		66	Science incorporates at school	Aug	27	16
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Tires — Uniroyal Goodrich Tire is born . R Titanium Carbide — Air Products licensing	Aug	13 16	U.S. Army Construction Engineering Re- search Laboratory — Portable kit for				power Hormone agonist increases egg produc-	Aug	13	19
proprietary titanium carbide CVD tech-	Arre	6 44	evaluating paint: result of federal research	Dec	24	12	tion by older hens N Microbes to the rescue: Hazardous	Oct	1	26
nology N	Aug	6 41	U.S. Dept. of Agriculture				waste biotreatment fights for recog-			
Argentine plant proposal N	Oct	29 45	Agee comments on safety of electrical bug-killing and soil sterilization method	Nov	5	41	nition		29	34 38
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Commonwealth Comm	University of Maryland				CIIT: Not for spectators. Patrick P.	habe	20	9	Niagara River agreement: Restoring the	Das	0	10
Company of Machings — Fy an improved Machings — Fy and improved Machings — Fy	Dental Materials and Clinical Research	Sept	10	29	- Letter	Aug	27		Nuclear: Truex solvent extraction	Dec	3	13
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Western of Manager — Figure 1 microses New Year N	develops distillation sequences that could lower costs	Sept	3	34	companies. Patrick P. McCurdy	Aug	6	3	tions at solid wastes facilities N	Nov	26	110
University of Temporal resource in Control 19 and 1	University of Michigan — Fly ash improves				McCurdy	Sept	3	3	Permit problems demose hot disposal			
University of Temporal resource in Control 19 and 1	University of Milan — Report on abnormal-	NOV	5	26	Patrick P. McCurdy	Sept	24	3	Plastics pollution at sea problem focuses			42
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deput claim-coal realized in comments on polymentated electric Comments on polymentated electric University of Disposer allows a comments on polymentated electric University of Disposer allows and Claim of the Comments on	University of New Hampshire — Acid rain	Oct	29	40	Getting the chemical word out. Patrick	Oct	1	3	Derecktor Indicted for burying			
Comment Comm	spurs clean-coal research	Nov	12	40	Getting to the heart of your constituency.				(table)	Sept	17	16
University of Circumsers of Services Services of Services					Patrick P. McCurdy	July	16	3	Holden, Mo.: A small town's problem			
ting a clearer focus on altorins. S1M and Christian International Control of present joint per medical user has been control of present joint per medical user	chromic compounds (chart)	Oct	8	29	trol. Donald P. Burke	Oct	29	3	indislation	Sept	17	8
Laser Energetics develops afronged proper imaging general transport of particip Publication and the par	University of Oregon — Microscopy: Get- ting a clearer focus on atoms: STM and				Japanese handwriting on the wall. Patrick P. McCurdy	July	9	3	National Electric's Coffeyville, Kan. incinerator to burn PCBs gets EPA			
Laser Energetics develops afronged proper imaging general transport of particip Publication and the par	PEM microscopes	Sept	17	39	Let's hear it for purchasing managers.				approval for test burnsN	Sept	24	22
University of Printings of Indicate Center- turines of a floring Printing	University of the Pacific — Getting to the	Aria	13	19	ratificat . McCourdy	Aug	21	2	Rutgers center pilot plant turns soft			
Numerally of Discharge Publication Strongers (Charles) and the Charles Strongers (Charles) and the Charles)	University of Pittsburgh Medical Center —	, 108			Patrick P. McCurdy	Oct	22	3	drink bottles into reusable resins	Dec	17	64
Laser Energetics developed storopes Aug 13 50	fulness of storage phospor imaging				Patrick P. McCurdy	Dec	24	3		July	2	26
Laser Energetics developed storopes Aug 13 50	systemsN	Dec	3	16	The power of grace, the magic of a				Permit problems dampen hot disposal			
Johann Fordicens of American Services of Carteria S	University of Rochester — Laboratory for Laser Energetics develops stronger				Rallying the troops must be a top priority.	July	23	3	Date is set for controlling hazardous	July	Я	42
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DH-Lex many promotes move toward Microbes to the rescue; The question of the control of the cont	metal vapor synthesis reactor	July	16	34	The shape of chemical business in 2001.				EPA manual on groundwater will be			
DH-Lex many promotes move toward Microbes to the rescue; The question of the control of the cont	University of Texas				The Statue of Liberty: Everyman's sym-	Oct	15	3	permit applications N	Sept	10	48
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Twenty-free years after Rachel Carson. Charles shares 1988 Nobel 1912 in Charles 1912 in Cha	Microbes to the rescue: The quest for	Dec	10	36	Patrick P McCurdy	Dec	17	3	Land disposal rules allow for little	OCI	29	50
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Air Products and Chemicals — Acquires				Buys Ceraver operation in plan to leap-				Polymer blend research	July	16	6
Separex from Parker Drilling N American Ref-Fuel see under name	Oct	1	5	frog world competition in ceramic	Dan	04	5	Putting up more money for less waste . Torlon polyamide-imide plastic engine	Dec	24	26
Baker, Dexter F.: A third CEO in 46 years	Oct	1	11	membrane systems Sept 17-10, N Can two-way deals firm aluminum prices?	Dec	22	21	parts: Plastics producers gear up for			
Ceramics know-how: licensing proprie- tary titanium carbide CVD tech-				Headquarters and development labora-		-		the battle of Detroit	Nov	5	6
nologyN	Aug	6	41	tory facility for Separations Technology Div. being built near Warrendale,				Amoco Oil — DOE readies its new test site for hazardous materials spills	July	16	15
nology N Cogeneration project launched N	Nov	5	26	Pa	Oct	1	15	Amoco Performance Products — Acquisi-		-	-
Company community relations: Facing up to the new challenge	July	16	28	IEB formed	July	30	19	tion of UC's engineering polymers and advanced composites businesses R	July	2	14
Cryogenic technology equipment, tech-	July			Purchases majority interest in Universal				Engineering thermoplastics: Change			
nology, startup services for Nippon air separation plant	Sent	10	15	Adsorbents Inc N Realigning its corporate structure and	Dec	24	5	comes to the resins market (chart) Ampacet — Sales agent for Du Pont Can-	Nov	26	102
HDPE barrier containers to be pro-	Sept			setting up five major operating units . R	Aug	6	20	ada's resin additiveN	Aug	20	18
ducedR	Oct	22	21	Slagle, Robert F. becomes new indus-				Amsterdam Colorworks — Chemicals help rejuvenate Miss Liberty: waterborne			
Methane recovery using pressure-swing adsorption will be used at Greens-				trial chemical division head N Alcoa Fujikura — Engineered Plastic Com-	Aug	21	7	epoxy polyamide (table)	July	2	18
boro, N.C. landfill N	Aug	20	73	ponents, joint venture with Plastics	0		45	Andersons (The) — The benefits of deregu-			
Polyalkylene carbonate polymers development N	Oct	29	19	Management	Dec	3	15	Anic — Italy's chemical trade deficit mars	Oct	15	13
development N PSA system for nitrogen	Dec	3	31	"Biotech 86: At the Crossroad"	Dec	3	9	a vintage year (charts & table)	Oct	8	22
Purchasing managers extend their reach A sharper focus in professional training	Aug	27	48	Amalgamated Sugar — NL Industries' take- over battle ends in a pact N	Aug	20	5	Anjay Publications — Evangelists for tech- nology. Irvin Schwartz — Other views .	Nov	5	3
for chemical managers	Sept	17	44		riug	20		Anspach Grossman Portugal — The chem-			
Solid fuel cogeneration joint venture with	Aug	12	30	Talks begin	July	23	21 15	istry of a corporate name change Apex Metals Kitchener — Kuhiman pur-	July	23	41
Pyropower N Specialty gas prices N Steams Catalytic World see under name	Aug	20	18	Amax Chemical — FCS Energy completes			13	chases plant to produce molded plas-			
Steams Catalytic World see under name			18	acquisition	Dec	17	15	Aqualon Group — Joint venture in water-	Aug	13	16
Tax reform: Assessing the impact (table) . Airco — Liquefaction plant: largest gas-	Oct	,	10	brough-Pond's would unseat Chemical				soluble polymersN	Nov	12	5
Airco — Liquefaction plant: largest gas- liquefaction plant in U.S. at Springville,	0	•		Products Group, formerly Stauffer Chem-			-	Aquatech Systems — Bipolar membranes:			
Ind	Dec	3	15	ical N American Can — Packaging operations sell off: Potential outruns profits in plas-	Dec	3	5	Membranes go to work against waste . Aquifier Remediation Systems — Hazard-	Nov	26	106
Md N Liquid helium distribution centers	Oct	29	45	sell off: Potential outruns profits in plas-				ous waste management report: Tech-			
Liquid helium distribution centers	Oct	15	16	tic packaging (table)	Oct	15	38	nology — In-situ bioreclamation	Aug	20	62
opened	OUL			panded N	Aug	27	57	waste biotreatment fights for recog-			
delivers low-cost nitrogen	Dec		30	panded			7	nition	Oct	29	34
Supply disruptions crimp CO ₂ profits Airwick Industries — Economics Labora-	Oct	29	46	business	July	23	,	Arabian Petrochemical — Operations fully onstream	Sept	10	37
tory acquires Airkem Div R	Aug	27	22	torms ceramics company, intercon-A H	July	9	23	fully onstream			
Akzo — Brazil extends its protectionism . Europe's resin capacity: Still dropping	Aug	6	30	American Council of Independent Labora- tories — National accreditation for labs?				ing place Arco Building Products — Arco Chemical	Dec	24	11
(chart & table)	Nov	5	33	Controversy brewing	July	30	17	sells four units to Morsenead Industries			
Joins in two ventures in electronic materials with Kollmorgen N	Oct	8	5	American Critical Care — Du Pont agrees to acquire ACC	July	16	5	(table)	Aug	13	7
Monsanto's paper chemicals unit				to acquire ACC				Korean venture to make styrene, pro-			
bought	Oct	20	5 67	to market HGHN American Cyanamid — Acquisition of	July	23	50	pylene oxide	Sept	17	7
Nine monthsN	Nov		26	about 4% of Technicione International				CorN	Dec	10	31
Synthese see under name				completedR	July	30	19	Divestitures: more divestitures con-	Acres		5
Akzo America — Dragone, Allan R. will become president and CEO on Oct. 1 R	July	23	21	Aliphatic isocyanates plant being built at Willow Island, W.Va N	Sep	10	17	sidered	Aug	6	5
Alabama Kraft — Adjustments to com-				Ammonia unit (one) at Fortier, La. to be				dustries (table)	Aug	13	7
pensate for reduced water flow due to drought	Aug	6	24	closed	Aug	6	24	IEB formed	July	30	19
Alberta Energy — NH ₃ draws a crowd Alberta Gas Chemicals — Methanol sup-	July		28	can Cyanamid	Dec	24	15	PaR	July	23	21
Alberta Gas Chemicals — Methanol sup- pliers wait out hard times (chart)	Aug	13	36	Cyalume luminescent chemical for	Oct	16	34	Lyondell Petrochemical see under name Polymer blends (table)	July	16	7
Alberta Gas Ethylene — Ethylene and PE	Aug	13		luminescent golf ball NP The discriminating quest for directors:	OCI	15	34	Propylene carbonate makes the glue			
tabs: A tenuous link? (chart)	Nov		36 51	Beecham's Halstead and Rochester	lish	0	20	more bindingN	Oct	22	66
Alby-Olin — Sodium chlorate prices N Alcudia — De la Pena at European Section	Sept	3	31	Univ.'s MacAvoy Florida Supreme Court refuses to re-	July	2	30	Sorgenti at European Section of the Society of Chemical Industry annual			
of the Society of Chemical Industry				consider case involving mineral rights	0		47	meeting: EC producers stress integra-	0-1	20	10
annual meeting: EC producers stress integration	Oct	22	13	under Florida's waterways	Sep	10	17 18	Arco Polymers — Polyalkylene carbonate	Oct	22	13
de la Pena, Javier will be first president . N	July	23	45	Kenner, La. files lawsuit over acrylo-laden				polymers developmentN	Oct	29	19
PP plant at Tarragona considered N Alison Control — Leak detection system	July	30	29	barge fire	Sep	1 3	17	Arco Seed — Arco unit up for sale N Arden, Elizabeth — Skin-treatment prod-	July	30	7
uses thermistor sensorN	Nov	19	25	veys cogeneration	Sep	1 10	7	ucts cast a rosy glow (tables)	Dec	24	18
Alivaca — Sugarcane bagasse into cattle	Aug	27	38	Microbes to the rescue: Hazardous waste biotreatment fights for recog-				Aremco Products — High-temperature coatings	Sept	1 17	34
feed plant will use Stake process N Al-Jubail Petrochemical — Operations fully	Aug	21	30	nition	Oct	29	34	Argonne National Laboratory — Solid fuel			
onstream	Sep		37	nition Tax reform: Assessing the impact (table) American Hoechst — Celanese: Hoechst's	Oct	1	18	cell sets performance record N Truex solvent extraction process: A	Nov	26	16
Engineering thermoplastics: Change	Nov	12	44	proposal to Celanese: The ultimate joint				process to downsize nuclear wastes	Dec	24	30
comes to the resins market (chart)	Nov	26	102	requests additional informa-	Nov	12	6	Aristech Chemical — Phenoi prices N	Dec		56 31
HDPE capacity expansion at Baton Rouge, La. plant	Oct	8	41		Dec	3	15	Polypropylene prices N USX forms Aristech to which it will spin	Dec	10	31
Polymer plend research		16	6	Ethylene and PE tabs: A tenuous link?				off nearly all assets of USS Chemicals:			
Allied Fibers — Nylon fiber makers roll out stain-resistant carpets N	Oct	8	41	(chart)	Sep	12	36 51	For USS Chemicals, a new name and independence N	Oct	22	5
U.S. fiber makers keep tabs on cotton				PET producer gear up to meet rising				The newest name in chemicals: Aris-			-
(chart)	July	16	18	PVC film capacity to be doubled N		13	6	techN Arizona Chemical — Commodity swings	Dec	10	5
Allied-Signal — Aquatech's bipolar mem- branes: Membranes go to work against				U.S. fiber makers keep tabs on cotton				rock U.S. naval stores (chart)	Oct	1	37
waste	Nov	26	106	(chart)	July	16	18	Armand Products — Occidental Petroleum			
Company community relations: Facing	hulse	16	20	American Natural Resources — Great Plains goes on — and off — the block . N	July	9	66	and Church & Dwight joint venture in potassium carbonate N	Oct	1	5
up to the new challenge	July	10	28	American Ref-Fuel - Waste-to-energy plant				Arnold, White and Durkee — Arnold dis-			
Going to bat for the chemical industry .	Sep	1 24	57	in Pennsylvania N American Steel Works — Rose plant in	Dec	17	21	cusses Washington's propatent court, CAFC	Dec	24	15
Pinning down a global marketing strat- egy	Oct	1	30	Holden, Mo.: A small town's problem				Artel Chemical — Westreich, Larry A., CEO:		-	
Seven operating units, comprising most	-		-	spurs call for big changes in PCB legis-	Son	t 17	8	Westreich begins by cleaning up Artel's act.	Dec	24	36
of the company's Electronics & Instru- mentation Sector up for sale; focus will				American Telephone & Telegraph — Get-	Sep		0	Artificial Intelligence Technologies - Al			
be on three core businesses N	Dec	17	5	ting a clearer focus on atoms: STM and	0	4 17	20	tackles real-time process control	Sep	1 10	38
A sharper focus in professional training				PEM microscopes	July	1 17	39	ing order nears revocationN		13	18
for chemical managers	Sep	17	44	Amerigas — Carbon Dioxide Div.: Supply				Cheaper computer filter NP			31
gistic Technologies in coatingsR	Sep	1 24	20	disruptions crimp CO ₂ profits	Oct	29	46	China licenses membrane cell tech- nology	Oct	22	28
Alumax — Amax begins talks for 50%				drug interleukin-2 patent N	Seg	t 3	5	nology			
Aluminum Co. of America Along Fullburg	July	23	21	Ammonia Casale — Ammonia converter			41	AIChE meeting		12	21
Aluminum Co. of America — Alcoa Fujikura see under name				winning new customers N Low-cost ammonia retrofits N	Aug		34	natives (table)	Oct	22	22
Aluminum can technology advance:				Amoco — DNA probes: joint venture with			44	New entries vie in chlorine technology		13	22
process of electrophoretically coating insides and outsides of cans simul-				Integrated Genetics N GM plant closings: Thompson comments	Aug	1 6	41	(chart)	Aug	23	45
taneously N	Oct	29	19	Metal vapor chemistry: High hopes	July	16	34	Six months '86N	Nov	19	

Tumor necrosis factor (TNF): A new				NLRB dismisses charges of unfair labor practice against OCAW				Beker Industries — Gypsum needs a rest-	_		
cancer drug on trial	July	2	11	OCAW gets a 'green light' for anticom-	Aug	13	14	Reorganization plan put forwardN	Dec 2	10	11 5
tics, more competition	Oct		21	Dany Campaign	Oct	8	5	Bend Research — Membranes go to work			
Asahi Glass — Asahi-Mont, joint venture . N China licenses membrane cell tech-	July	16	33	Paint strippers to replace methylene chloride NMP, acetylene-based sol-				against waste	Nov :	26	109
nology N Glass that protects against the sun NP	Oct	22	28	vent: Safer, but will they cost more?.	Oct	1	12	sieve: pressure swing adsorption Betz Laboratories — Chemical companies	Dec	3	30
Glass that protects against the sun NP Joint venture with Olin in electronic	Nov	12	44	Pinning down a global marketing strategy	Oct	1	30	Betz Laboratories — Chemical companies set up their own insurance firm N	July	0	5
ceramics to produce thick-film				Sales and earnings: first six months '86N	Aug	27	26	Steel industry's problems may affect			
ceramic substratesN	Sept	24	5	'86N Nine months '86N	Dec	10	43	water treatment chemicals	July :	30	19
More fluoroplastics, more competition New aluminum nitride ceramics N	Oct	8	21	THF and PTHF capacity boosts N Ultraform joint venture: A third player	Aug	6	5	Big Three Industries — Acquired by L'Air Liquide (table)	Aug :	20	11
New entries vie in chlorine technology				in U.S. acetals	Sept	3	10	Bill Communications — Plaspec: On-line			
(chart) Sales and earnings: first-half '86 N	Aug	20	22 67	BASF Chemicals — Acrylic acid and acry- lates prices	Sept	17	43	data bases	Sept :		6 29
Asahi-Mont — Ausimont Compo and Asahi				Geismar, La. complex's health and safety	oop.			BioControl Systems — Salmonella screen-			
Glass joint venture	July	16	33	violations: union allegations likely to be aired at hearings N	July	2	7	ing test	Nov	12	44
bought from Westinghouse N	July	30	22	BASF Structural Materials — Polyacrylo-	outy	-		management report: Bioreclamation —			
ASARCO — Arsenic unit at Tacoma, Wash.	Oct	1	15	nitrile, carbon fibers precursor, plant to	July	16	17	How one company did it	Aug :	20	63
copper smelter being dismantled R Kennecott's Ozark Lead unit to be				be built at Williamsburg, Va N BMW—Jacksonville's air frightens off BMW	Dec		10	Biodirections — Joint venture with Bio- matrix for personal-care products in-			
bought	Dec	17	15	BOC Group — Airco Industrial Gases see under name				corporating HA	Dec	24	21
Chemical delayed N	July	16	5	BTL Industries - Acquisition of Reich-				Biogen — Turnor necrosis factor (TNF): A new cancer drug on trial	July	2	11
Associação Brasileira das Empresas de				hold's specialty phenolics operations	haba	9	23	Biolmage — Eastman Kodak acquires			
Biotecnologia — Brazil extends its pro- tectionism	Aug	6	29	Babcock & Wilcox — Clean-coal project:	July	9	23	assets N Biomatrix — HA supplier	Sept	24	22
Atchison Topeka and Santa Fe — ICC's				More dollars for coal projects	Aug	6	12	Bioquímica do Brasil — Joint interferon			
rejection of proposed merger with Southern Pacific will be protested N	Aug	13	40	Bacchus Works — NTIS sale to private in- dustry greeted with dismay (chart)	July	23	16	project with Cuba	Aug	6	29
ICC asked to reopen the rejected				Badger Engineers — Repligen's enzymes		-		with Ventrex Laboratories N	Dec	17	21
merger	Sept	10	48	for pulping wood: Fitzpatrick reports to AIChE meeting	Sept	3	12	Biosoph Laboratories — Molecules Naturel- les: U.SEuropean joint venture in flavors			
baths: unit reprocesses sulfuric acid	Aug	6	46	Baker, J.T. Chemical — Ashland Oil's ac-			12	and fragrancesN	Nov	5	5
Atkinson — Merger with Woodward Clyde				quisition delayed N The push for more cyanide safeguards	July	16	36	and fragrances N Biosym Technologies — Computer program	Aug	20	73
Consultants: Hazardous waste manage- ment report	Aug	20	29	Ball Corp. — Monsanto's container busi-	Oct	0	30	for molecular design, DiscoverN Consortium aims to improve molecular	Aug	20	13
Atlantic Richfield — Ag and biotech units			7	ness to be bought	Nov	5	5	modeling N Biosystems — Hazardous waste manage-	Aug	6	41
up for saleN Lyondell Petrochemical see under name	July	30	1	plastic packaging	Oct	15	38	ment report: Technology — in-situ bio-			
Atlantic Simulation — Process simulators	0-4	00	04	plastic packaging				reclamation	Aug	20	62
give improved training, plus	Oct	22	24	report	Aug	20	29	waste biotreatment fights for recog-			
DOE uranium enrichment provisions	Sept	10	9	Bancroft and Klein - Joint venture: Haz-				nition	Oct	29	34
Atochem — Acquires Polycol PVC; will be merged with Atochem U.K R	Dec	3	15	ardous waste management report Baring Brothers, Hambrecht & Quist —	Aug	20	29	Biotech Research Laboratories — A biolab goes to the market: puts many — but not			
French chemical producers test a busi-				Venturing entices chemical makers				all - its research contracts in Du Pont's			
ness formula (table)	Dec	17	18 15	(chart)	Nov	12	23	basket	Aug	10	12
More fluoroplastics, more competition	Oct	15	21	through rubber looks for work	Aug	27	51	BioTechnica — Microbes to the rescue:	1404	19	-
Aumack, Raymond D. (co) — Aumack at				Solid-state processing of plestics: studyN	Sept	10	22	Hazardous waste biotreatment fights	Oct	20	24
CDA meeting on the impact of mergers and acquisitions	Nov	5	7	Study of how Al can be applied	Sept	10	39	for recognition	OCI	29	34
Aunyx — Antitrust sult may be filed against				Battelle-C.F. Kettering Research Laboratory				on hyaluronic acid: Skin-treatment	Dan	04	04
Canon over copier toners	July	16	5	Nitrogen-fixation units: Old know-how is tapped for new fertilizer units	Aug	27	60	Teams up with American Critical Care	Dec	24	21
ture in JapanN	July	16	33	Battelle Memorial Institute — Assistance				to market HGHN	July	23	50
More fluoroplastics, more competition Austin Fireworks — Chemicals help reju-	Oct	15	21	for ASME program to develop technical economic models N	Nov	26	16	BioTreatment Ltd. — Microbes to the res- cue: Hazardous waste biotreatment fights			
venate Miss Liberty: A splashy Fourth				Battelle Pacific Northwest Laboratories				for recognition	Oct	29	34
of July. Autodynamics — Process simulators give	July	2	19	Computer-aided geochemical prospecting program	Dec	24	13	Biotrol — Microbes to the rescue: Haz- ardous waste biotreatment fights for			
improved training, plus	Oct	22	24	Melting hazardous waste in the ground:				recognition	Oct	29	34
Automated Manufacturing Research Facility — Research associate program	Dec	24	13	in situ vitrification N New particle technology NP	Dec		21	Birkeland & Eyde — Deshen's proposed B-E nitrogen-fixation unit mounted on			
Avebe — Joint venture with Synthese to	Doc	64		Bausch & Lomb — Joint venture with China				the back of a truck	Aug	27	60
develop resins from potato starch Avery Inc. — Uniroyal's chemicals busi-	Nov	19	55	in contact lenses	Aug	20	17	Bischof and Klein — Bancroft and Klein			
ness to be bought N	July	9	5	agrees to acquire American Critical Care				joint venture: Hazardous waste manage- ment report	Aug	20	29
Purchase agreement for Uniroyal , R	Aug	20	17	division N Bayer — Acquires German metallurgical	July	16	5	ment report Bix Manufacturing — Paint strippers to re-			
Uniroyal Chemical acquired R Uniroyal Chemical see also under name	Nov	12	20	company, Hermann C. Starck Berlin N	Nov	5	32	place methylene chloride: Safer, but will they cost more?	Oct	1	12
Avon — Skin-treatment products cast a	_			Europe's resin capacity: Still dropping				Blair, William & Co Bartels comments			
rosy glow (tables)	Dec		18 33	(chart & table) K'86: Europe's resin makers enjoy an	Nov	5	33	on L'Air Liquide acquisition of Big Three . Bartels comments on Nalco's restruc-	Aug	20	11
Regroups its operations by regions N	Dec		5	upbeat mood	Nov	19	8	turing	July	9	17
U.S. fiber makers keep tabs on cotton	hily	16	18	Polycarbonate: Resin producers cash in on CDs.	Oct	8	8	turing Blast and Vac — Chemicals help rejuvenate Miss Liberty	hulse	2	18
(chart)	July			Polymer blends (table)	July		7	Blech, David and Issac — Celgene Corp.	July	-	.0
complex suffers setback N Azdel — GE-PPG venture in FRP composites	Sept		32	Pre-K-86 press conference: Chemicals ARE good, aren't they? — Viewpoint	Cont	10	3	see under name			
Azuel—GE-FFG Verifule in PAP composites	July	10	7	Resin suppliers await personal compu-	Sept	10		Blood Systems — BRL-Du Pont test will be used in Air Force contract	Aug	20	12
				ters' rebound (chart)	July	23	8	Blount Constructors — Cogeneration plant			
				Sales and earnings: First-half '86; cur- rency changes affect results N	Sept	3	18	for Schuylkill Energy Resources N	Nov	26	16
В				Sales and earnings: nine months '86 N	Dec	10	43	Boehringer Mannheim — Cardiovascular drugs: collaboration with SmithKline			
-				Venturing entices chemical makers (chart)	Nov	12	23	BeckmanN	Dec	24	24
DACE Andia and assessed				Baver USA — Company community rela-				T Cell Sciences enters product distribu- tion agreement	Aug	13	14
BASF — Acrylic acid capacity expands worldwide (chart)	Oct	15	6	tions: Facing up to the new challenge Baytank — Everything's on hold in chemi-	July	16	28	Boise Cascade — Consumer packaging	ruy		1.4
Basagran herbicide production at Geis-				cal storage	Sept	3	46	division being sold to Sonoco Products . N	Dec	24	34
mar, La. discontinued N 1,4-butanediol capacity at Geismar, La.	Nov	12	46	cal storage. Beck, R.W. and Associates — NTIS sale				Booz, Allen & Hamilton — Mateyka com-	fort.	00	-
expanded N	Dec	10	31	to private industry greeted with dismay (chart)	July	22	16	ments on moiders for the auto industry . N	July	23	7
Hutanol makers tighten prices	Oct		7	(chart). Beco Engineering — Dry-scrubbing acid gases with bicarbonate of soda N				Borden Chemical — Borden Chemical: Building a billion-dollar consumer prod-			
Chemicals Div. forms Thermoplastic Polyurethane Elastomer segment to				gases with bicarbonate of soda N Bee Chemical — Coatings '86 — report	Oct	29	19	ucts business (charts)	Nov		98
introduce its product in U.S N	Oct	29	5	(charts & tables)	Oct	22	30	Coatings '86 — report (charts & tables) Latest moves to product orientation: three	Oct	22	30
Coatings '86 — report (charts & tables) Composites base planned in Europe . N	Oct	22	30	(charts & tables)				acquisitions, Acme Resins, Doxsee			
Conoco's Zerex antifreeze-coolant busi-	300	24	9	joint venture with Bausch & Lomb R Beijing Organic Chemical — Reichhold's	Aug	20	17	Food and Jays Foods	July	9	16
ness to be purchased	Dec	10	5	emulsion polymers technology li-				Urea and phenolic resin capacity in- creaseN	Dec	24	34
(Chart & table)	Nov	5	33	censedR Beijing 608 Factory — Contact lenses joint	Aug	13	14	Borg-Warner Automotive GM plant clos-			-
Hartmann Druckfarben acquired by				venture with Bausch & Lomb R	Aug	20	17	ings: Hullinger comments	Nov	19	12
Dainippon N July 23-7	Aug	27	15	Beijing Yan Shan Petrochemical — Dow's new technology licensing pact for PS				Borg-Warner Chemicals — Acrylonitrile butadiene styrene: Borg-Warner's big			
upbeat mood	Nov	19	8	plantN	July	9	25	stake in ABS	Sept	17	9

Borg-Warner Industrial Products subsidi- ary to be sold	Nov	5	14	French chemical producers test a business formula (table)	Dec	3	18	Hoechst's proposal to Celanese: 'The ultimate joint venture'	Nov	12	
ary to be sold		3	9	Future in doubt following the govern- ment's dismissal of President Hug N	Sept		37	FTC requests additional information . R K'86: Europe's resin makers enjoy an	Dec	3	15
Engineering thermoplastics: Change comes to the resins market (chart) GAF buying shares: Another profitable	Nov	26	102	K'86: Europe's resin makers enjoy an	Nov		8	upbeat mood	Nov	19	8
takeover gambit? N	Nov	26	5	upbeat mood Pinning down a global marketing strategy	Oct	1	30	N.Y.CN	July	2	35
GAF increases its holding from 9.6% to 9.96%	Dec	24	5	Polyethylene operations may be cut . N Tchuruk, Serge: A new No. 1 man at CdF	July		29	Methanol suppliers wait out hard times (chart)	Aug	13	36
GAF buys surfactant and phosphate ester business	Sept	24	20	Chimie	Nov	19	16	MEK pricesN	Sept	3	51 34
ester business	Oct	1	30	(chart & tables)	July	23	28	MEK and ethylene glycol prices N NovaCel, drug-delivery joint venture with Nova Pharmaceutical N	July	9	5
Resin suppliers await personal compu-			8	monial converter	Aug	6	41	Plastics producers gear up for the battle			
ters' rebound (chart)	July			CFC Co. — Continental Fiberglass Div.'s acquisition by U.S. Diversified Group's				of Detroit	Nov	16	6
of mergers and acquisitions Bosh, Robert — Resicoat Beschichtungs-	Nov	5	7	Chemicals Div. completed R CH2M Hill — Hazardous waste manage-	Sept	17	19	RTZ's Interchem buys specialty resins and water-soluble polymers busi-			
pulver see under name Bourns — Du Pont to acquire IC Packages				ment: New rules are changing the game	Aug	20	26	nesses	July	23	21
business N	July	16	5	— report (charts)	Aug	20	28	His career started off with a 'bang'	Dec	3	40
business N Bowater Carolina — Drought causes prob- lems at Catawba, S.C. paper mill N	Aug	6	24	C-I-L — Ammonia plant reopening de- layed		10	43	Tax reform: Assessing the impact (table) U.S. fiber makers keep tabs on cotton	Oct	1	18
Chemicals help rejuvenate Miss Liberty				Sales and earnings: first-half '86 N	Aug	23	67	(chart) Venturing entices chemical makers	July		18
lighting Brasivil Resinas Viniticas — PVC com-	July	2	21	Nine months	Nov	12	26	(chart)	Nov Sept		23
plex: permission sought to build com-	Oct	22	28	generation project will supply steam and electricity N	Nov	5	26	Celanese Advanced Technology — Cel- anese's new advanced materials com-			
plex			23	European operations up for sale R	Dec	3	15	panyN Celanese Canada — Methanol operation	Aug	20	5
lease	July	9	23	CRI International — Miniature refinery will develop catalyst know-how N	Nov	5	26	reviewedN	Oct	8	28
ster's Florida phosphate operations raise environment questions	Oct	15	13	CSX Transportation — Freight train derails in Miamisburg, Ohio	July	16	14	Sales and earnings: first-half '86 N Nine months N Celanese do Brasil — Brazilian polyester	Aug	12	67 26
Bristol-Myers — Bristol-Myers Pharmaceu- tical Div. formed to market generic				CalBio International — California Biotech- nology plans European subsidiary N	Nov	19	5	plant will be restarted by a joint ven-			
drugsN The discriminating quest for directors:	Oct	29	5	Calgene — Calgene approaches the payoff Calgon Carbon — PSA nitrogen market	July		13	ture	Sept	17	32
Al&I's Allen	July	2	30	Calgon Corp. — Acquires Water Manage-	500		00	resins: acquisition of GAF's PBT busi-	lashe	16	8
Tranquilizer, Buspar, gets FDA okay . N British Petroleum — Hitco will be acquired	Oct	8	50	ment Technology unit of Hercules' Spe- cialty Chemicals segment R	Oct	15	16	nesses	July		
from Owens-Corning Fiberglas N Soda ash joint venture with AECI con-	Dec		5	Chemed's Vestal Laboratories to be acquired	Nov	12	20	CEO — correction	Sept		19
U.K. chemicals: In the shadow of the	July	23	45	acquired	Nov	5	30	alliances	Sept	17	7
oil price decline (chart & table) Vista Chemical to acquire BP Perfor	Sept	3	30	California Biotechnelogy — Branching out overseas: will set up Pacific Biotechnelogy in Australia and Calific later.				East German chlorate unit N Celltech — TNF project shelved	Aug	13	28
mance PolymersN	Dec	17	5	nology in Australia and CalBio Inter- national in Europe N	Nov	19	5	Center for Advanced Research in Biotech-	Nov		15
BP Chemicals — Europe's resin capacity: Still dropping (chart & table)	Nov	5	33	Nazdel technology licenses by Eli Lilly to develop nasal delivery of insulin N	Oct	8	21	nology — Groundbreaking R Centre Suisse d'Electronique et de Micro-	1404	20	10
Exclusive marketer of acetic acid from Texas City, Tex. plant N	July	2	7	California Thermal Treatment Service — Incinerator contract to Combustion				technique — Air Products licensing proprietary titanium carbide CVD tech-			
K'86: Europe's resin makers enjoy an upbeat mood	Nov		8	Engineering	Aug	13	14	nology N Ceraver — Alcoa buys 85% of operation	Aug	6	41
Monsanto's acetic technology to be	July		17	Agrochemie joint venture in herbicide-	Dec	17	5	in plan to leapfrog world competition in ceramic membrane systems Sept 17-			
bought	Sept		54	resistant plants N Calma — New aid for making piping de-				10,	Dec	24	5
BP Chemicals Americas — Sterling gives company rights to market acetic acid				signs N Cambridge Analytical Associates — Bio-	Aug	21	38	cancer drug interleukin-2 patent N	Sept	3	5
from Texas City plant	Aug	13	16	mediation Systems Div. will open office in Princeton, N.J. specializing in aquifer				EuroCetus to be set up to market thera- peutics	Aug	27	7
its U.S. base: three moves N Vista Chemical to acquire PVC com-	Sep	t 17	7	restoration and site remediation serv-	Nov	26	15	cancer drug on trial	July	2	11
pounder	Dec	17	5	ices R Campbell Soup — PET producers gear up to meet rising demand.	Aug		6	Chantal Pharmaceuticals — Skin-treat- ment products cast a rosy glow (tables) Chase Manhattan Bank — Chase builds a	Dec	24	18
approval to bid for 70% shareN	Nov	12	26	Canon — Aunyx may file possible anti- trust suit over copier toners N	July		5	Chase Manhattan Bank — Chase builds a business in petrochemical LBOs (table)	Dec	24	27
Decision on the purchase of British Sugar put off N Brown Disk Manufacturing — Production	Nov	26	21	Carbon Air Services — Hazardous waste	July	10	9	Chem Systems — Brophy comments on Sohio's route to Reppe chemicals	Dec		10
Brown Disk Manufacturing — Production scheduled to stop this year	Oct	15	10	management report: Technology — Mobile treatment	Aug	20	60	Keinzle comments on interpolymer	Oct		10
Browning Ferris Industries — American Ref-Fuel see under name				Carbon Fuels — Liquefaction process: A cheaper conversion for coal	July	30	17	Rothman comments on U.S. economy.	Sept		6
Permit problems dampen hot disposal	July	0	45	Carbonatos do Nordeste — Brazilian aspirin dispute with Rhodia settledN	Oct	1	36	U.K. chemicals: In the shadow of the oil price decline (chart & table)	Sept	3	30
options Brownlee Labs — Supercritical fluid chro-	July	9	45	Carbonic Industries — Supply disruptions	Oct		46	Chemarketing International — ChemDesign: A recession baby's success story	Oct	22	76
matograph: A supercritical route to compound analysis	July	2	34	crimp CO ₂ profits		20	-10	ChemClear — Process for treating waste- water from boilers N	Dec	24	24
Budd Co. — Iseler calls formation of PTI a "good idea"	Aug	27	16	his shaness in DCD topictation	Sept	17	8	ZIM Energy will acquire company R ChemDesign — A recession baby's suc-	Oct		17
"good idea"				Casa Grande — Russian contract N CasChem — ETD Technology may be	July	23	50	cess story	Oct	22	76
Burmah Oll — Burmah Specialty Chemicals acquires Columbia Cement: Burmah				bought by Du Pont	Oct	22	5	Chemed — Vestal Laboratories to be acquired by Calgon Commercial Div R	Nov	12	20
aims to be a global force in adhesives . N	Sept	t 10	5	shelved N Catalytica Associates — Making alkanes	July	9	5	Chemetics International — Counting in another contractor — letter	Oct	29	4
Burns & McDonnell — Cogeneration plant for Schuylkill Energy Resources N	Nov	26	16	reactiveN	July	2	22	Chemical Abstracts Service — On-line			
Burroughs Wellcome — Wellcome and Genetics Institute form joint venture to				Caulk, L.D. — Ful-Fil composite for dental applications: Composites bite into new				chemical data trading pact with Japan and Germany's Fachinformations-	feeler	0	01
produce biotechnology-based drugs . N Business Communications — Analytical	Sep	t 17	32	applications	Aug	27	43	zenturm	July	9	91
instruments are on a fast track N	Nov	26	16	demonstrates new waste treatment			40	route to compound analysis	July	2	34
Business Trend Analysts — Cosmetics and toiletries: Brighter prospects N	Oct	15	25	technology Cedar Chemical — Dinoseb tests worry	Oct	1	40	Chemical Design — Molecular modeling: computer-aided modeling systems . NP	Oct	15	34
Process-control equipment: A healthy growthN	Sep	1 10	22	EPA. Fermenta will sell U.S. operation N	Sept		14	Chemical Leaman Tank Lines — Insurance			10
	4.0			Celanose - Acetals: Ultraform a third				keeps truck costs up	Dec	1.2	10
С				player in U.S. acetals	Sept	17	10 43	getherness; Shertz: Lower the costs before raising rates	July	30	23
				Acrylic acid capacity expands worldwide	Oct		6	Chemical Marketing Services — Coatings '86 — report (charts & tables)	Oct		30
CAD Engineering — Bargain software for		00	40	(chart)	Oct	8	7	Pinning down a global marketing strategy:			33
evaluating payback	Oct	29	19	Celgene Corp. see under name	Sept		62	Chemical Products — Barium carbonate	Oct		-
stake N CdF ABS — Borg-Warner's big stake in	Dec	24	5	Dividends raised	Sept	17	7	Chemical Solvents — Stripping solvent	Aug	20	17
ABS	Sep	t 17	9	nologyN	Aug	20	5	contains methylene chloride substi-	Oct	15	34
CdF Chimie — Esso Chimie will market oxo alcohols N	Oct	29	27	Hazardous waste management: New rules are changing the game —		00	00	tute	501		34
Europe's resin capacity: Still dropping (chart & table)	Nov	5	33	report (charts)	Aug	20	26 39	changing the game — report (charts)	Aug	20	26
(and a lawy, and a lawy and a law	.104	-									

Eight companies on the fast track	Aug	20	28	Coe Laboratories — Occlusin, for dental				Cosmair — Skin-treatment products cast	Dec :	24	18
Permit problems dampen not disposal options		9	42	applications: Composites bite into new applications	Aug	27	43	a rosy glow (tables)	July	2	35
Putting up more money for less waste . Chemlink — Antimony pentoxide additive	Dec	24	26	Colgate-Palmolive Philippines — Philippines pushes for ban on use of AB sulfonates:				- Correction	July	16	15
takes the sting out of heavy metals for refiners	habe	00	50	Synthetics vs. coconut derivatives N Colorado Interstate Gas — Gas contract	Oct	1	36	U.S. fiber makers keep tabs on cotton	Dec	3	33
Arco Chemical sells four units to Horse-	July		50	upheld	Nov	19	22	(chart)	July	16	18
head Industries (table)	Aug	13	7	upheld R Columbia Cement — Acquired by Burmah Specialty Chemicals N Columbia Metal Culvert — The high court	Sept	10	5	Cray Research — Consortium aims to improve molecular modeling N	Aug	6	41
chemical storage	Sept	3	46	Columbia Metal Culvert — The high court lets a price-signaling judgment against				Cresap, McCormick & Paget Purchas- ing managers extend their reach: Hoff-			
Chesebrough-Pond's — American Brands takeover would unseat Chemical Prod-				Kaiser stand	July	2	44	man comments	Aug :	27	48
ucts Group, formerly Stauffer Chemical N Chemical units on the block: chlor-alkali	Dec	3	5	Columbia Nitrogen — DSM wants to sell Columbia Nitrogen	July	16	33	wait out hard times (chart)	Aug	13	36
plants; Stauffer Seeds; vinyl film operation; food systems business. N	Nov	12	5	DSM plans to divest company: NH.	July	23	28	Croda — Skin-treatment products cast a rosy glow (tables)	Dec :	24	18
Spectrum Group to be acquired N	Oct	1	5	draws a crowd				Crystal Pigment — Formed to build TiO ₂			
Merger agreement with Spectrum Group	Oct	29	17	buy company N Combustion Engineering — Acquires Sprout-	Nov		5	plant in Saudi Arabia	Oct :		60
Unilever tenders offer	Dec	10	12	Waldron	Aug	13	14	ments on company community relations	July	16	28
a crowd	July	23	28	financing for ammonia and urea project keyed to natural gas	Oct	15	14				
Chemicals ride out the Gulf Coast reces- sion (chart)	Dec	3	6	California incinerator contract R	Aug		14	D			
Engineering thermoplastics: Change comes to the resins market (chart)	Nov	26	102	Computer-aided plant design based on ICI software N	Aug	13	30				
Ethylene and PF tabs: A tenuous link?	Nov		36	Environmental-services unit estab-	Sept		5	DPM Plastic Group — Polypropylene plant being built on land belonging to Con-			
(chart) HDPE prices. N Higher oldfins get a capacity boost.	Sept	3	51	Simcon see under name	oopi			sumers Power: Plant sites - plentiful	0-1	00	00
	Dec	24	15	Taylor Instrument see under name CE/Lurgi — Culm-fired, circulating fluidized-				but risky	Oct	22	69
over oil slowdowns	Nov	19	12	bed boilers	Nov		16 28	container plant to DRGR Hercules' container business bought:	July	2	14
Paraquat distribution agreement with ICI Americas tempinated N	Aug	6	5	Commodity Credit Corp. — Ethanol's via-				Potential outruns profits in plastic	0-4	45	00
Polyethylene inches up a nickel (chart) Polystyrene prices	July Sept	23	9	bility fuels dispute	Oct	1	13	packaging (table)	Oct	15	38
Polystyrene prices	July		22	Superpolymers, PBZ, will be developed jointly with Dow N	Dec	3	16	togetherness; Sexton: His company has not had to self-insure	July	30	23
Chevron Land and Development Kotier:				PBZ: A class of polymers unto itself.	Dec		8	DSM — Acquisition of Resicoat Beschich-			
The expanding liability net	Oct	29	14	Venturing entices chemical makers (chart)	Nov	12	23	tungspulver N Columbia Nitrogen up for sale N	July	16	45 33
emulsion polymers technology li-	Aug	13	14	Compagnie Generale de l'Electricite — Alcoa buys a Ceraver operation	Sept	17	10	Divestment planned: NH ₃ draws a crowd	July		28
China Offshore Gas Utilization Corp. —	nuy	10	1-4	Companhia Nacional de Petroquimica —	оорг			Invests in caprolactam, opens a com-			
Offshore gas may fuel new projects in ChinaN	July	16	22	Portuguese petrochemical complex gets reprieve	Oct	29	27	posites lab N Netherlands government considers privatizing DSM N	Nov		32
China Petro-Chemical International — Sino- Kellogg joint venture see under name				Companhia Petroquimica do Nordeste — Petrochemical complex proposed: Bra-				privatizing DSM	Dec	24	31 54
Chiron — Recombinant vaccine for people		00		zilian companies vie for stakes in a	Alan	40	40	UKF see under name Urea technology for C-E project in Chile			
will protect against hepatitis B N Chisso Corp. — Economics Laboratory	July	30	22	buildup	Nov		40	Daikin — More fluoroplastics, more com-	Oct		14
purchases half interest in joint venture	Sept	3	5	unit starts up	July	9	25	petition	Oct	15	21
subsidiary EL Japan N Chlorine Engineers — New entries vie in				drug tests: Bonanza or bane?	Dec	10	12		Nov	20	16
chlorine technology (chart) Chromalloy American.— Sun Chemical	Aug	13	22	Concept Polymer Technologies — TPE blends for medical applications	Oct	15	11	Chemical	NOV	20	15
outlines merger proposal	July	16	5	Conoco — BASF to purchase Zerex anti- freeze-coolant business	Dec	10	5	Druckfarben, printing inks maker, ac- quired N	July	23	7
tion of sale of Sun's graphic arts	Cont	17	7	Sharrah at CDA meeting on the impact of mergers and acquisitions	Nov		7	Acquires most of the assets of Hart- mann Druckfarben GmbH group .		27	15
operation to Dainippon	Sept		7	Consoil Associates — Inventrepreneurs	1404	9	,	Pinning down a global marketing strategy	Oct	1	30
changed	Dec	3	15	Forum will bring together inventors and entrepreneurs	Aug	27	38	Sun resists a takeover by DIC Sun Chemical discussions continue	July	2	9
the battle of Detroit	Nov	5	6	entrepreneurs N Consolidated Grain and Barge — The benefits of deregulation	Oct		13	N July 16-5, N Sun finally agrees to sell graphic arts	July	23	7
Vitamin Products planned: another	0-1		-	Consolidated Hail — Conrail's proposed			6	business to Dainippon for \$550			
diversification move	Oct		5	sellout jumps the track	Sept	10	48	million	Aug	27	14
attracts bold new players	July	2	8	Terms are set for the Conrail sale . N Consulting Resources — Chlorine: Tight	Oct	22	86	to completion of sale N Dainippon Pharmaceutical —Tumor necrosis	Sept	17	7
sodium bicarbonate (table) Potassium carbonate venture with Occi-	July	2	18	market, tight profits (table)	Sept		18 19	factor (TNF): A new cancer drug on trial	July	2	11
dental Petroleum, Armand Products . N	Oct	1	5	Purchasing managers extend their reach	Sept	27	50	Dames & Moore — Hazardous waste management report: Market growth	Aug	20	29
Sodium bicarbonate prices N Ciba-Geigy — Antibiotics that show the	Oct	15	25	Shamel comments on Pac Bio informa- tion N	Nov	19	5	Daniel International — Contract from Derry, N.H. for waste-to-energy facility			
broadest spectrum yet N Cibacalcin, synthetic calcitonin for	Oct	8	21	Shamel on biotech market	Aug		12	using Power Recovery's gasification	Sept	2	34
Paget's disease	Dec	3	16	ciple with Dow over not-completed nuclear plant at Midland, Mich N	Cont	24		technology	Sept	3	34
Hazardous waste management: New	Oct	22	16	DPM Plastic Group building polypropylene	Sept	24	5	Change comes to the resins market (chart)	Nov	26	102
rules are changing the game — report (charts)	Aug	20	26	plant on land belonging to Consumers Power: Plant sites — plentiful but risky	Oct	22	69	Xydar compounds prices lowered N Xydar RC-210, thermoplastic, intro-	Nov	5	40
Waste reduction is the way to go	Aug	20	39 19	Power: Plant sites — plentiful but risky Continental Can — Potential outruns profits in plastic packaging (table)	004	45	00	duced	Nov	5	40
IEB formed	Aug		36	Continental Water Systems — Acquired	Oct		38	is trending higherN Davis, Herbert W. and Co. — Purchasing	Aug	13	18
Schweizerhalle plant leaks fumes into the atmosphere	Nov	26	15	Controls for Environmental Pollution —	Dec	10	18	Davis, Herbert W. and Co. — Purchasing managers extend their reach	Aug	27	48
Transdermal hormone therapy for meno- pause, Estraderm N	Sept		22	National accreditation for labs? Controversy brewing	July	20	17	Davis, Hoxie, Faithfull and Hapgood —	Dec		15
Zambia: company pulls out of Zambia . N	Oct		28	Cookson — Kansai becomes top share-				Amberg comments on patent suits Davy — Standard Oil Chemical contract	Dec	24	15
Clean Sites, Inc. — Holden, Mo. PCB clean- up: A small town's problem spurs call				holder in Goodlass Nerolack Paints R Coors Biomedical — Cerestore: Composites	Oct		15	to study facility using butane to make Reppe chemicalsN	Dec	10	20
for big changes in PCB legislation	Sept	17	8	Copechim — Countertrade agreement	Aug	27	44	Sohio explores butane uses: new route to Reppe chemicals substitutes butane			
Coal Tech — Clean-coal project: More dollars for coal projects	Aug	6	12	With Yugoslavia	July	9	25	for acetylene	Dec	17	9
Coastal Corp. — Colorado Interstate Gas gas contract is upheld R	Nov	19	22	process control	Sept		38	Davy McKee — Gypsum weighs in for sul- fur recovery: circular grate turns phos-			
Coastal Petroleum — Florida Supreme	.404			Dicor, castable glass-ceramic crown	Sept		14	gyp into sulfuric acid (diagram)	July	19	33 40
Court refuses to reconsider case involving mineral rights under Florida's water-				Composites bite into new applications Corporate Security Advisers — Lodge	Aug	27	44	Dean Witter Reynolds — Armen comments on Rhone-Poulenc's acquisition of UC's			
ways	Sep	t 3	17	comments on drug-testing market Corpus Christi Petrochemical — El Paso	Dec	10	12	ag business	Nov		22
ical Leaman	July	30	23	Products' butadiene plant at Corpus		4-		Armen comments on U.S. economy Debreczeni, Eugene & Associates—Buta-	Sept		6
Coca-Cola — Petainer ends five-year agreement giving Coca-Cola exclusive				Christi, Tex. purchased N Cosden Chemical — Polypropylene prices	Sept		17	diene surfeit weakens prices N Degussa — Degussa ends a low-profile	Aug		18
rights to a plastic can N U.S.S.R. makes progress in joint-venture	Dec	24	34	N Sept 10-17, N Polystyrene prices N Sept 3-51, N Oct	Dec	10	31	era in U.S	Sept	24	32 36
plans	Dec	: 17	71	29-45, N	Nov	5	40	Sodium ferrocyanide prices N	Aug		18

Ultraform joint venture: A third player in U.S. acetals	Sept	3	10	Chlor-alkali membrane cell joint venture with Oronzio De Nora	July 3
Denka back on its feet	Dec	3	36	Tex	July 2 Nov 2
Denka N Denki Kagaku Kogyo — Commercial plant	Aug	13	5	Chlorine: Tight market, tight profits	Sept 1
to make modified maleimide resin N Dentsply International — Caulk, L.D. see	Dec	24	24	(table)	Oct 2
under name Derecktor, Robert E. — EPA pushes				Magma Power in common stock R 1,3-dichloropropene, Telone II and Dow	Aug 1
criminal sanctions: Derecktor indicted for burying transformers and PCBs at				Telone, will be reviewed by EPA N Dioxin effects study covering 2,192 em-	Oct 1
his farm (table)	Sept	17	16	ployees at Michigan Div R Dividends raised N	Oct Sept 1
unit, mounted on the back of a truck, based on B-E process	Aug	27	60	Dow bows out of international banking: sells Dow Financial Services Corp. to	
DeSoto — Acquires 50% of stock of Dufay Titanine, industrial coatings pro-				Royal Trust Co	July 2 Aug 1
ducer	Aug	6	20	Ethylene oxide derivatives prices N Ethylene and PE tabs: A tenuous link?	Sept 1
specialty businesses N Venturing entices chemical makers	Oct	8	5	(chart)	Nov 1 Sept
(chart)	Nov	12	23	GM plant closings: Kallgren comments Glycerine: Dow is committed to synthetic	Nov 1
Laboratory	Sept	17	19	glycerine N Hazardous waste management: New	Dec 1
Hazardous waste biotreatment fights for recognition	Oct	29	34	rules are changing the game — report (charts)	Aug 2
Detroit Edison — Plant sites: Plentiful but	Oct	22	69	Waste reduction is the way to go Jarvela at NAPM conference	Aug 2
Polypro Resins see under name				Laning, Jr. comments on electrical bug- killing and soil sterilization method,	
Deutsche L'Air Liquide — L'Air Liquide regrouping German assets N	Nov	19	5	Electrofrac	Nov
DeWitt — Ethylene and PE tabs: A tenuous	Nov		36	technology (chart)	Aug Sept
link? (chart)	Dec		15	Perchloroethylene overcapacity: four	July
Acquiring Research Polymers Inter- national, thermoplastic polyolefin				Phenol prices	Dec
producer	Sept		19 25	Polycarbonate resin producers cash in on CDs	Oct July 2
Edelstein's legacy to industry and	Sept		26	Polyethylene prices: LDPE and LLDPE	
Mogul Div.: Programmable systems for	Oct	8	21	PE and PS: Healthy operating rates lead	Sept Dec :
water management N Dexter-Midland — Coatings '86 — report			30	to capacity expansion N Polymer blend research	July
(charts & tables)	Oct		18	Polystyrene prices	Sept Sept : Dec
order nears revocation	Aug	13	10	Propylene glycol product prices N Purchasing managers extend their re-	
to private industry greeted with dismay (chart)	July	23	16	Rorer Group stock: 9.5% equity sold N	Sept
well-supplied market attracts bold new	haba		8	Sales and earnings: second quarter N Third quarter	Oct
players Caustic soda prices Chlorine: Tight market, tight profits (table)	July	t 3	51	A sharper focus in professional training for chemical managers	Sept
Diamond Shamrock (Africa) Ltd. sold to		t 10	18	glycerine for cosmetics	Dec
Tiger Oats Ltd	Dec	17	15	Standards for digital instruments Styrene prices push up a notch	Oct Sept
rules are changing the game — report (charts)	Aug	20	26	Superpolymers, PBZ, will be developed jointly with Commtech	Dec
Occidental Chemical completes acquisition	Sep	t 10	15	PBZ: A class of polymers unto itself . 2,4,5-T: proposed moratorium in New	Dec
Oxy puts Diamond in its game plan; will hold on to industrial chemicals and	0-4		**	Zealand	Aug
Perchloroethylene overcapacity: four	Oct		11	higher prices. Dow Chemical Europe — Propylene oxide	Nov
producers left as Du Pont pulls out South African divestment takes many		16	9	capacity increase at Stade, West Ger- many	July
Diamond Shamrock (Africa) Ltd. — Sold		24	13	censing pact with China for PS plant . N Dow Chemical U.S.A. — Process simulators	July
to Tiger Oats Ltd		17	15	give improved training, plus	Oct
Dlubak Studios — Chemicals help rejuve-		it 10	38	Dow Corning — Chemicals help rejuvenate Miss Liberty: silicone sealant	July
nate Miss Liberty: glass (table) DNA Plant Technology — Agreement with	July	2	18	A federal plea for high-purity silicon N Purchase of Hansil Ltd. completed R	Oct
NutraSweet to search for sweeter sweetenersN	Aug		30	Silicone product prices	Aug
Du Pont joins in ag biotech N Dong Ting Nitrogen Fertilizer Works —	Oct	8	21	glow (tables)	Dec
Contract to SinoKellogg to install Kellogg's technology at ammonia plant N	Der	24	34	Royal Trust Co.: Dow bows out of inter- national banking	July
Dorr-Oliver — Standard Oil set for dives-	July	9	23	Dow Química — Brazil extends its protec- tionism	Aug
Dorsey — Petainer Development see under name				Consumer products venture in Brazil: plastic package for use in home	0-1
Dover Chemical — Organophosphites plant completed	Aug	13	16	freezers	Oct
Stake in ABS	Sep	ot 17	9	unit N Doxsee Food — Borden's acquisition	Nov
Agreement in principle with Consumers Power over not-completed nuclear	Con	. 04	5	Drew Chemical — Water management takes to computers	Nov
plant at Midland, Mich N BP Performance to acquire polyoletin wire and cable jacketing business N		ot 24	7	bean herbicides: poorer prospects N	Oct
Broming chemicals business to be sold		ot 17	7	Plourde comments on steel industry's affect on industrial gas	July
to Ethyl Corp N A good bromine deal for Ethyl and Dow		ot 24	20	Dufay Titanine — DeSoto acquires 50% of stock	Aug
Cash-flow rebound (table)	Ser	ot 17	35 51	Nalco's restructuring Duke Power — Computer-aided plant	July
Caustic soda prices N Caustic soda solution prices N Chelating agents and brake fluids	Aug	20	18	design based on ICI software N Duolite International — Rohm and Haas	Aug
Chelating agents and brake fluids prices	Sep	ot 3	51	must sell the Duolite plant N Du Pont — Acetals: Ultraform, a third player	Nov
in JuneN	Aug	27	57	in U.S. acetals.	Sept

Acquires electronic materials supplier Tau Laboratories	
23 24 Laserscope R July 23 26 101 Acquisition agreement for American Critical Care division of Baxter Travenol	3 21
cal Care division of Baxter Travenol	
20 20 Acquisition of Ford's point operations	5 5
22 30 Acquisition of Ford's paint operations at Mount Clemens, Mich. planned . R Aug 20	
13 16 Acquisition completed	
AIDS test: NIH acores Du Pont, Genetic	
1 15 Systems' tests highest N July 10 17 Assure launched: poorer prospects for corn and soybean herbicides N Oct 19	
Biotech Research Laboratories puts many — but not all — its research	
13 12 contracts in Du Pont's basket Aug 20 17 43 Biotechnology Systems Div. unveils eight	
products	
19 12 Chlorine: Tight market, tight profits (table) Sept. 19	
Circuitry kit. NP Oct 1 Company community relations: Facing up to the new challenge July 1	
Consortium aims to improve molecular	6 41
20 39 The discriminating quest for directors:	2 28
Dividend hikes reflect growing opti-	
mism	5 5
10 17 Tex	
16 9 Engineering thermoplastics: Change	6 102
EEOC notice R July 2	3 21 0 48
23 9 Flexel purchases cellophane plant in Tecumseh, Kan N July	9 47
d 10 17 GM plant closings: Bryant comments Nov 1 Hazardous waste management: New rules are changing the game — report	9 12
16 6 (charts) Aug 2	20 - 26
t 24 65 An upbeat future for chemicals Nov 2	26 10
24 34 Joins with DNAP and AGS in ag bio- tech	8 21
, , , , , , , , , , , , , , , , , , , ,	5 5
23 7 Membranes go to work against waste . Nov 2 22 5 Metal vapor chemistry: High hopes July 1 Methanol blend waiver modified by	16 34
Methanol suppliers wait out hard times	5 40
224 21 (chart) Aug 29 28 Microbes to the rescue: Hazardous	13 36
	29 34
c 10 8 NASH technique: agreement with Orion Pharmaceutica	19 20
20 67 New entries vie in chlorine technology (chart)	13 22
y 12 9 Nylon fiber makers roll out stain-resistant carpets	8 41
y 2 31 Nylon filament joint venture plant in Turkey	6 36
y 9 25 ozone Dec	17 12
22 24 Perchloroethylene: Du Pont pulls out of	10 31 16 9
y 2 18 Plastics producers gear up for the battle	5 6
27 22 Polyarylates: new amorphous polyarylate	5 0
of Bexloy M and Arylon Nov	12 9 16 7
Process simulators give improved train- ing, plus Oct	22 24
y 23 49 The push for more cyanide safeguards Oct Raw materials for making Freon will be	8 36
9 6 29 purchased	9 47
the Electronics Dept. and the Imaging t 29 5 Systems Dept.; forms Medical Prod- ucts Dept N Sept	24 5
v 26 101 Resin suppliers await personal compu-	23 8
A sharper focus in professional training for chemical managers	
Standards for digital instruments Oct 1 1 15 25 Steel industry's problems affect some	29 28
y 30 19 Stuckey at NAPM conference: Purchasers	30 19
Surface antigen test for hepatitis B R Nov	29 12 5 14
7 TiO _o plant for Taiwan; protest against	1 18
proposed plant	2 35 7
v 19 66 getherness; Chembulk program; Verna:	20 00
of 3 10 Venturing entices chemical makers	30 23
(chart) Nov	12 23

Du Pont Canada — Ampacet will sell resin				Electro-Minerals - Standard Oil set for				spurs call for big changes in PCB legis-			
additive, Booster N	Aug 2	20	18	divestitureR	July	9	23	lation	Sept 1	7	8
Sales and earnings: six-months '86 . N Nine months			28 26	Electro-Nucleonics — Pharmacia's diag- nostics lines: distribution rights to be				ing metals from waste streamsN	Oct 2	2	66
Du Fort do brasil - brazil extende its				purchased	Sept	24	22	Enzo Biochem — DNA probe that detects	July 3	0	22
Du Pont-Mitsui Fluorochemicals — More	Aug	6	30	Didier at World Energy Conference: Two				tuberculosis			
fluoroplastics, more competition	Oct 1	15	21	meetings of minds on oil (chart)	Oct	22	14	planned	Oct 1	5	33
Du Pont Tau — Plant to make photomask products to be built at Round Rock,				Venturing entices chemical makers (chart)	Nov	12	23	dental resin	Nov 1	2	44
Tex N Du Pont Ventures — Rheemonde Inter-	Oct 2	22	5	(chart)			28	Essex Chemical — Acquires Union Plas- tics; will be combined with International			
national acquires 5% shareholding in				brane cell technology N New entries vie in chlorine technology	Oct	22	20	Chempack	Oct 1	5	16
stock	July 2	23	21	(chart) Emery — Skin-treatment products	Aug	13	22	Chemical companies set up their own insurance firmN	July	9	5
Alloy Surfaces joint venture in coat-				Empresa Nacional del Petroleo — MTBE	Dec	24	21	Dividends raised N	Sept 1		7
ings	Sept 2	24	20	project planned N Emser Industries — Elastomeric nylons:	Oct	15	33	Hazardous waste management: New rules are changing the game —			
process	Sept	3	45	New polymers enter a competitive market	Oct	15	11	report (charts)	Aug 2	0.	26
Dynamit Nobel of America — Silicon dis-			34	Polymer blends (table)	July		7	Venturing entices chemical makers (chart)	Nov 1	2	23
persion	Sept	17	34	technology for latex paint	Sept	3	45	Esso Chemical Americas — Isoamylene			
Nitro Nobel okayed by Swedish govern-	Dec	17	71	Endotronics — Venturing entices chemical	Nov		23	plant at Baytown, Tex. starts up R Esso Chimie — Will market CdF Chimie's	Nov 2	6	15
mentN	000	11	,,	makers (chart) Energy Bureau, Inc. — Annual conference:	1404	12	20	oxo alcohols N Essochem — Exxon Chemical will be new name N U.K. chemicals: In the shadow of the oil	Oct 2	9	27
-				Aromatics levels may increase in gaso- line	Sept	24	10	name	Sept 1	7	32
E				Key trends chemical marketers				U.K. chemicals: In the shadow of the oil			
				Energy and Environmental Research —	Sept	24	12	price decline (chart & table) Estee Lauder — Hyaluronic acid: Skin-	Sept	3	30
ETD Technology - Du Pont may buy com-	-			Acid rain spurs clean-coal research	Nov	12	40	treatment products	Dec 2	24	21
pany from CasChem N Eastern Petrochemical — Operations fully	Oct	22	5	Clean-coal project: More dollars for coal projects	Aug	6	12	Estireno do Nordeste — Brazil looks to the U.S. Gulf Coast for styrene	Sept	3	5
onstream N Eastman Chemical — Cooperative research	Sept	10	37	Energy International — Clean-coal project:				U.S. Gulf Coast for styrene N PS unit purchased from Dow Química . N	Nov 2	26	101
Eastman Chemical — Cooperative research in animal health care with Molecular				More dollars for coal projects Enex — Boyd comments on plan to shut	Aug	6	12	Ethyl — Debentures sold	Dec	17	15
Genetics N	Nov	5	26	Monsanto's methanol plantN	Aug	6	24	mism N Dow's bromine chemicals business to	Nov	5	5
PET bottle resin capacity expansion . N PET producers gear up to meet rising	July	30	36	Engelhard — Calcined kaolin capacity expanded N	Nov	5	40	be purchased	Sept	17	7
demand	Aug	13	6	FCC catalysts plants expansion plan . N Engenics — Program with Eastman Kodak	Oct		5	be purchased	Sept 2	24	20
Potential outruns profits in plastic packag-	Oct	15	38	Engenics — Program with Eastman Kodak to develop nutritional biochemicals N	Aug	13	30	Purchasing managers extend their reach Sales and earnings; second quarter N	Aug 2	27	48
ing (table)	Oct		12	Engineered Plastic Components — Joint	rug		00	Tax reform: Assessing the impact (table)	Oct	1	18
U.S. fiber makers keep tabs on cotton (charts)	July	16	18	venture of Alcoa Fujikura and Plastics	Dec	3	15	Eticam — Rosenbaum comments on waste exchange	Sept	3	15
(charts) Eastman Kodak — Acquires assets of	outy			Management				exchange. EuroCetus — Cetus looks to Europe as a			-
Biolmage: broadens its base in electro- phoresis N	Sept	10	22	its Noryl plastic patent in Japan N Enichem — European Vinyls Corp. to begin	Oct	15	5	market for therapeutics N European Vinyls Corp. — Europe's resin	Aug :	21	1
CAFC decision in instant photography				trading	Aug	20	17	capacity: Still dropping (chart & table).	Nov	5	33
EPA gets tough on paint ethers	Dec		15 12	(chart & table)	Nov	5	33	K'86: Europe's resin makers enjoy an upbeat mood	Nov	19	8
Joint study with GE to explore the medi-	rug			Italy's chemical trade deficit mars a				To begin trading on Oct. 1 R	Aug	20	17
cal usefulness of storage phosphor imaging systems	Dec	3	16	vintage year (charts & table)	Oct	8	22	EVC International — European Vinyls Corp. to begin trading on Oct. 1 R	Aug	20	17
Life Sciences Div. to get research and				manager	Dec	17	62	Eval Co. of America — EVOH plant is built. R	Sept	24	20
administration facility at Malvern, Pa N Magnetic materials: joint research	Nov	26	5	Venturing entices chemical makers (chart)	Nov	12	23	Potential outruns profits in plastic pack- aging (table)	Oct	15	38
program	Nov	19	25	(chart)				Excel — Montfort's efforts to block merger			-
rulingN	Oct	15	48	joint venture in Europe with Uniroyal . N Enichem Fibre — Inca International joint	Dec	3	5	with Land O'Lakes Spencer Beef Div.	Dec	17	78
Polymer blend research	July	16	6	venture with Vetro UmbriaN	Dec	3	24	rejected by Supreme Court N Exxon Chemical — Ethylene and PE tabs: A tenuous link? (chart)			
Polymerization opens doors for liposomes Program with Engenics to develop nutri-	Aug	6	39	Italy's chemical trade deficit mars a vin- tage year (charts & table)	Oct	8	22	Isoamylene plant at Baytown, Tex. starts	Nov	12	36
tional biochemicals N	Aug	13	30	A strong showing for Italy's fiber				upN		3	33
Pulling out of South Africa N South African divestment takes many	Nov	26	5	Makers	Oct			Metal vapor chemistry: High hopes New ethylene plants will not be needed	July	16	34
forms	Dec	24	13	Enka — Joint venture, Nippon Aramid Yugen		_	-	before 1995: Robertson at World		477	
South African shipments to stop Easynet — On-line data bases	Dec		16	Kaisha to market Twaron aramid fibers in Japan N	De	c 24	5	Chemical Congress N The new Exxon Chemical: Fewer vice-	Sept	17	43
Ebasco Services — Hazardous waste management: Technology — In-situ bio-				in JapanN Enron Chemical — Eval Co. of America see				presidents, no more matrix manage-	Doo	10	38
reclamation Giles at Chemical	Aug	20	62	under name National Distillers' acquisition: National				New name of Essochem N	Dec Sept		32
Eberstadt, Fleming — Giles at Chemical				Distillers' push for the top in polyethylene	0-			Polymer blend research N	July	16	17
Industry Conference: An upbeat future for chemicals	Nov	26	10	(chart) Peak antifreeze and related consumer	Oc	1 1	8	Potential outruns profits in plastic pack-	Sept	10	
Giles comments on Hercules new lineup Economics Laboratory — Acquires the	Dec	17	9	products business to be sold to Old	A.,	9 27	21	aging (table)	Oct Sept	15	38 68
Airkem Div. of Airwick Industries R	Aug	27	22	World Trading	Jul	y 23	9	nobertson at World Chemical Congress	обрі	64	00
Acquires Projectina and Deterquirnica. R More stock and proposed name change	Sep	t 17	19	Polyethylene prices: HDPE N Sept 3-51; LDPE and LLDPE N	So	pt 10	17				
to Ecolab	Oct	15	5	Pulling up more money for less waste.	De	C 24		_			
Purchases Chisso's half interest in joint subsidiary EL Japan N	San	nt 3	5	ENSCO — Hazardous waste management report: Technology — Mobile treatment	Δ.	g 20	60	F			
EL Japan — Economics Laboratory pur-	Oup	, 0	0	Ente Nazionale Idrocarburi — Canadian							
chases Chisso's half interest in joint subsidiary Fl. Japan	Ser	ot 3	5	urea ammonia plant plans resurface. N Colitti at World Energy Conference: Two	De	ic S	3 24	FCS Energy — Amax Chemical acquisition			
subsidiary EL Japan N Econoviews International — Karfunkle				meetings of minds on oil (chart)	Oc	t 2	2 14	completed	Dec	17	15
comments on cotton prices	July	y 16	18	Enichem's Lorenzo Necci: Enichem's turnaround manager	De	ec 17	7 62	tems see under name			
ardous waste biotreatment fights for				Italy's chemical trade deficit mars a vin-				Hazardous waste management report: Technology — In-situ bioreclamation	Aug	20	62
recognition	Oct	29	34	tage year (charts & table)	Oc	et i	8 22	Just in case the worst case happens:	Aug	20	UZ.
man assetsN	No	v 19	5	interests with those of Enterprise N	l De	ec 2	4 31	companies participate in volunteer	Nov	19	43
El Paso Natural Gas — Salable gas from Phoenix waste treatment plant N		y 30	22	Envirodyne Industries — Filmco Domestic and Filmco International units of RJR	3			CAER emergency drills Phosphoric acid dumping charges filed. N	Dec		33
El Paso Products — Amorphous polyalpha-			-	Nabisco to be bought N	1 00	t 2	9 5	FRP Co. — Akzo buys Monsanto's paper	Oct	8	5
olefins marketed under the name Rexene RextacN	De	c 3	33	Environmental Action — Becker comments on Superfund.	AL	ig i	6 9	chemicals unit	Jul	9	3
Butadiene plant at Corpus Christi, Tex.				Environmental Law Institute — Microbes	S			Mathematik — On-line chemical data trading pact with Chemical Abstracts			
sold to Corpus Christi Petrochemi- cal	Ser	pt 10	17	to the rescue: Hazardous waste biotreat ment fights for recognition	0	ct 2	9 34	and Japan Information CenterN	July	9	61
Ethylene and PE tabs: A tenuous link? (chart)		v 12	36	Environmental Resources Management — Hazardous waste management report	-			Falconbridge — Monsanto heat-recovery system debuts in H ₄ SO ₄ plant in Nor-			
LDPE prices N	Jul	y 16	17	Technology — In-situ bioreclamation	. A	ıg 2	0 63	way N	July	16	22
Polyethylene inches up a nickel (chart) Electric Power Research Institute — Aqua-	Jul	y 23	9	Woodruff comments on Union Pacific's	R			Falconbridge Trading Associates — Spent catalysts seek a resting place	Dec	10	44
tech process study performed by Stearns	3			site finder service (chart)	8	ec 2	- 1	Farm Services — Genetic conversion to			
Catalytic: results	No	w 26 ly 30	106	waste management report: Technology — Mobile treatment.	y	ug 2	0 59	improve the herd N Farmitalia Carlo Erba — Animal health		/ 19	25
Electrofrac — Electrical bug-killing and	1			Environmental Technologies Holden, Mo).	-y 2	. 59	business, VETEM, to be sold to Agri-		, 22	21
soll sterilization method	No	v 5	41	PCB cleanup: A small town's problem	n			montR	July	23	21

Federal Laboratory Consortium — The U.S.				Company community relations: Facing				Korean engineering plastics market			
shares its know-how: FLC links private and public research (map)	Dec	24	12	up to the new challenge Hazardous waste management report:	July	16	28	eyed	Nov	5	5
Feldmuhle-Grace — Grace gears up for	Nov		5	liability issue	Aug	20	45	modeling systems NP Polymer blend research		15 16	34
German catalyst production N Fenco Engineers — H _z SO ₄ plant in Norway	1404	20		Purchases assets and business of Ter- rell	July		21	Potential outruns profits in plastic pack-	_		
will use Monsanto heat-recovery sys- tem N	July	16	22	Sales and Earnings: second quarter . N	July	2	7	aging (table)	Oct	15	38
Fermenta — The end of an era for Fermenta: El-Sayed will sell his interest to Mont-				•				ters' rebound (chart)		23 15	16
edison	July		9	G				Water treatment system for silicon plant			17
Montedison still wants Fermenta N	Sept	10	18 37					General Electric Plastics - General Elec-	Aug 2	20	11
Montedison calls off negotiations . N More trouble for Fermenta and El-	Oct	29	27	GA Technologies — Hazardous waste management report: Technology —				tric Plastics: A corporate giant's syn- thetic resins are a fast-growing 'core			
SayedN	Dec	24 15	31	Mobile treatment	Aug	20	60	business'		12	30 12
Sells three U.S. operations N Fermenta Plant Protection — Fermenta			5	GAF — Borg-Warner: GAF buys surfactant and phosphate ester business of Borg-				Joint venture for plastics products with		19	
will sell operation to Monsanto N Ferro — Grant Chemical see under name	Oct	15	5	Warner Chemicals	Sept	24	20	Huntsman Chemical	Oct	15	25
Sales and earnings: second quarter	Aug	6	5	over gambit? N Increases holdings in Borg-Warner	Nov	26	5	suit against Mitsubishi Gas Chemi- calN	Oct	15	6
N July 2-7,	Oct	15	5 24	from 9.6% to 9.66%; acquires 9.9% stake in CBI Industries N				Plastics producers gear up for the battle			3
Ferrosan — Novo acquires 75% share. N Ferruzzi Group — Approval sought to bid				9.9% stake in CBI Industries N Celanese to acquire PBT's businesses	Dec		5	of Detroit	Nov	5	0
for 70% share in British Sugar N	Nov	12	26	Eckardt comments on Sohio's Reppe technology	Dec		9	on CDs	Oct	8	8
Sugar is put off	Nov	26	21	Paint strippers to replace methylene	Dec	11	9	gold mine fire: The mine fire stays a	0-4		45
edison's No. 1 shareholder N	Oct	22	5	chloride — NMP, acetylene-based solvent: Safer, but will they cost more?	Oct	1	12	mystery	Oct	1	15
Fike Chemicals see Artel Chemical Fina Oil & Chemical — Cosden Chemical				Polymer blends (table) Skin-treatment products cast a rosy glow	July	16	7	(charts & tables)	Oct	22	30 35
Div. see Cosden Chemical	Oct	20	AE	(tables)	Dec	24	20	Plant closings: Can GM make more from		-	11
Polystyrene prices N Sept 3-51, N Findtech — Kline opens a brokerage shop	Aug		45 10	THF and 1,4-butanediol capacity boosts N	Aug	6	5	less? Plastics producers gear up for the battle	Nov		
Listner categorizes Phillips's products as fine chemicals	Nov	19	53	UC and GAF opt for peaceful coexis- tence	Oct		5	of Detroit	Oct	5	6 28
Finnish Chemical Congress — Finnish	Nov		18	GATX Corp. — Just in case the worst case	001			General Printing Ink — Sun finally agrees			
producers go global Finnish Sugar — Finnish producers go				happens: companies participate in volun- teer CAER emergency drills	Nov	19	43	to sell graphic arts business to Dainippon for \$550 million. Genetic Systems — AIDS test: NIH scores	Aug	27	14
Plant to produce pentose sugars and	Nov	19	18	GATX Terminals — Everything's on hold in chemical storage	Sept	3	46	Du Pont, Genetic Systems tests nigh-			
cattle feed from biomass will use Stake process N	Aug	27	38	GSF Energy — Methane recovery using	oop.		40	est	July	16	40
Fireman's Fund Insurance Companies —	Aug			pressure-swing adsorption will be used at Greensboro, N.C. landfill N	Aug	20	73	Wellcome for production of biotech-			
Hess, Jr.: The expanding liability net Fireworks by Grucci — Chemicals help	Oct	29	14	GSGSB — Cherflicals help rejuvenate Miss Liberty	July	2	18	nology-based drugs, WelGen Manufac- turing	Sept	17	32
rejuvenate Miss Liberty: A flashy Fourth	July	2	19	GSX Corp. — Hazardous waste manage-	,	-		Georgia-Pacific Corp. — Grow Corp. ac-	Dec		21
of July				ment: New rules are changing the game — report (charts)	Aug	20	26	quires part of the chemical packaging			
in fragrances		27	15	Eight companies on the fast track GTE Laboratories — Durable ceramic	Aug	20	28	division	Sept		15 24
earnings: second quarter	July	23	7	composite NP Gabris International — Elastomer use in	Sep	nt 17	34	GEPAX Engineered Plastic Packaging — Potential outruns profits in plastic pack-			
set up their own insurance firm N	July	9	5	sealing devices is growingN Gallagher, Charles P. (co) — IMC's Industry	Oct	29	45	aging (table)	Oct	15	38
The discriminating quest for directors: Mitchell Hutchins' Becker	July	2	30	Group assets to be bought by Gallagher				ments for immune-response drug N	July	9	61
NH ₃ draws a crowd (chart & tables) Fisher Scientific — The push for more	July	23	26	and Weiss, Peck & Greer	July	9	5	Gist-Brocades — Joint venture with Shell discussed N		17	71
cyanide safeguards	Oct	8	36	sought to bid for 70% share in British				Givaudan — Unilever aims to No. 1 spot			
patrick discusses CAFC, Washington's				SugarN Decision on the purchase of British	No	v 12	26	in fragrances		27	15
propatent court	Dec	24	15	Sugar is put off N Gardinier — Gypsum weighs in for sulfur	No	v 26	21	(charts & tables)	Oct	22	30
the U.S. with purchase of Du Pont's	lede		47	recovery: Davy McKee's circular grate				Trust, including Glidden operation N	Aug	20	5
plant in Tecumseh, Kan N Florida Institute for Phosphate Research —	July	9	47	technology		y 23		ICI's acquisition: ICI moves in on U.S. paints and coatings (chart)	Aug		13
Gypsum weighs in for sulfur recovery: Davy McKee's circular grate turns phos-				Garvan Institute of Medical Research —	De	c 24	15	ICI acquisition makes ICI No. 1 in paints R Gohard, Robert Etablissements — Chemi-	Nov	v 12	20
gyp into sulfuric acid (diagram)	July	/ 23	33	Pacific Biotechnology Australian subsidi-				cals help rejuvenate Miss Liberty Goldman, Sachs — Meltzer comments on	July	/ 2	18
waste management report: Technology		- 00	50	ary, being set up with California Bio- technology N Gates Energy Products — Battery Business Dept. to be sold to GE. N	No	v 19	5	cotton prices	July	y 16	18
Mobile treatment Foley, Hoag & Eliot — Woburn: 'No win-		20	59.	Gates Energy Products — Battery Business Dept. to be sold to GE	De	c 3	5	Goodlass Neorlack Paints — Kansai be- comes top shareholderR	Oct	1 8	15
ners' in an \$8-9 million settlement Foote Mineral — Newmont Mining puts	Oct	8	18	Gechem — Kemira negotiating for pur- chase of fertilizer units Garbochim and				Goodrich, BF — Carter, Leigh elected president		g 20	17
its 87.5% holding on the block N	Aug	9 6	5	Sadachem	De	c 3	3 24	Carter, Leigh, president and COO: A new			
Letter Ford Motor — California assesses its		g 27	4	Kemira's acquisition of fertilized division	De	c 10	43	president for a 'new' Goodrich Elastomers: Hercules' Herclor epichloro-	Oct	t 8	30
methanol-fueled Escorts Du Pont will purchase paint operation	Au	g 6	14	Gene-Probe - DNA probes: Gene-Probe joins with Wistar N	Au	a 6		hydrin rubber and Parel polypropylene oxide elastorner businesses to be	1		
at Mount Clemens, Mich		g 20	17	Genentech - Hoffmann-La Roche files	Au	9 (, 41	boughtN	Sec	pt 10) 5
Du Pont completes acquisition R Neutralizing acid in motor oils: polymeric		pt 10	15	patent suit over human growth hor- mone	Se	pt 17	7 56	George discusses plastics in construc- tion: For chemicals, repairs cushion			
particles	Jul	y 2	22	Tumor necrosis factor (TNF): A new	Jul			the housing drop (charts)		t 22 g 27	
Of Detroit	No	v 5	6	cancer drug on trial				Skin-treatment products cast a rosy	1	-	
Formosa Plastics — Ethylene plant ap- proved; will be nucleus of petrochemical				terized service for rail car data N General Chemical — General Chemical: A		ec 24	4 24	glow: Carbopol	i Jul	kc 24	
complexN Fort Washington Resources — DHEA's		t 22	28	big producer is back in business under its old name		et 15	5 26	Uniroyal Goodrich Tire is born	Au	g 13	3 16
many promises move toward fulfillment	De	ic 10	36	Russell, Richard R.: A president with				& tables). Hydrocarbon resin capacity expanded . N	Oc	1 22	2 30
Foundation on Economic Trends — Rifkin cries out on the latest biotech regula-				a penchant for running		et 15	5 27	Polyester division formed; William B.			
tions	Jul	y 23	56	COGSME discusses composites	No	ov 21	6 14	Hirsch is v-p and general manager N PET producers gear up to meet rising		ly 30	0 36
(charts & tables)	Oc	t 22	30	General Dynamics — Storage tanks in space	No	ov 12	2 21	demand	Au	g 13	3 6
Franklin Research Center — Old know-how is tapped for new fertilizer units Freeman Chemical — Coatings '86 —	Au	g 27	60	General Electric — Azdel: A new GE-PPG venture.	Ju	ly 16	6 7	PVC capacity raised	r	V 12	
report (charts & tables)	Oc	1 22	30	Battery Business Dept. to be sold to Gates Energy Products N		ec :		prices	No	W 12	2 9
Freeport Chemical — Gypsum needs a		ec 24		Chemicals help rejuvenate Miss Liberty:				in Goretex fabric case	De	ec 24	4 15
resting place		24	11	Clama see under name		ily :	2 21	Gorham International — Research fund ing for molecular electronics	Jul	ly 36	0 33
Beker puts forward a reorganization plan	De	ec 10	5	Clean-coal project: More dollars for coal	Δ.	ig i	6 12	Grace, W.R. & Co. — Acquires European coatings company, Storm, Van Benten	1		
plan	l Ne	ov 5		Engineering thermoplastics: Change	}			& Kluyver	N Au	ig 2	7 7
Fuiikura — Alcoa Fuiikura see under name)	. 0	3	Joint study with Kodak to explore the	}	ov 2	6 102	as R&D chief	. Se	pt :	3 39
Fuller, H.B. — Acquires glue product line from Hudson Industries	Ju	ly 30	19	medical usefulness of storage phos- phor imaging systems N	De	BC :	3 16	Concrete admixture doubles the strength of concrete	Or	ct 1	5 44

Dearborn Div. completes expansion plan	Nov 1	12	20	Coatings '86 — report (charts & tables) Occidental Chemical's Oxy Process	Oct	22	30	Houston Lighting and Power — Transcon- tinental Gas Pipeline will link its natural			
German plant for catalyst production will be operated by Feldmühle-				Chemicals to be acquired N Pinning down a global marketing strategy	Dec Oct	17	5 30	gas pipeline system to HP&L Howell Training — Process simulators give	Aug 1	13	8
Grace	Nov 2	26	5	Henley Group — General Chemical: A big producer is back in business under its				improved training, plus	Oct 2	22	24
growth (charts)	Sept 1	10	24	old name	Oct	15	26	ment report: Technology — Mobile treat-	Aug 2	20	59
Pilot plant for organic and polymer prod- ucts	Oct 2		17	ash	Oct	22	60	Hudson Industries — Fuller, H.B. acquires			
Pinning down a global marketing strategy Polymer blend research	Oct July	16	30 6	with Henkel in water-soluble polymers N	Nov	12	5	glue product line	July :		19
Purchasing managers extend their reach The push for more cyanide safeguards	Aug 2	27	48 36	Aseptic food ingredients tested a hearty aseptic packaging market fore-				boosts N Humagen — Forensic test kit NP	Aug Nov	6	44
Reorganization: Grace designates four	Nov 1		5	seen	Oct Sept	1	24	Huntsman Chemical — Joint venture for plastics products with GE's Plastics			
'crown princes'N Reorganizing Pacific and Latin American	NOV	12	5	Calgon acquires Water Management	oopi	10		Group N Polystyrene prices N Sept 3-51, N	Oct 1	15	25 40
operations of Industrial Chemicals GroupN	Sept 1	10	5	Technology unit of Specialty Chemi- cals segment	Oct		16	Styrene prices push up a notch	Sept	3	9
Sales and earnings: second quarter N Tax reform: Assessing the impact (table) .	July 2	23	7	Cash-flow rebound (table)	Sept	17	35 17	Hutton, E.F. & Co. — Hazardous waste management: New rules are changing			
Urea: short-term jump in U.S. imports is				Commodity swings rock U.S. naval stores (chart)	Oct		37	the game — report (charts)		20 15	26
forecast by Jaquier	Sept 2		62	Goodrich to buy Herclor epichlorohydrin	001	,	0,	Vista takes its profits public		19	11
Woburn, Mass.: Grace found guilty of	Nov		23	rubber and Parel polypropylene oxide elastomer businesses N	Sept	10	5	Composites to produce nylon-6/6 stock	0-4	40	
contaminating two drinking wells R Well-contamination case settled N	Aug	6	20	Himont see under name Management: The new lineup; David S.				shapes	Oct		11
Woburn: There must be a better way — Viewpoint	Oct	8	3	Hollingsworth, new chairman and CEO; Fred L. Buckner, president-elect				ment with Miles Laboratories N	Sept :	24	22
'No winners' in an \$8-9 million settle-				and COO; Arden B. Engebretsen,	Dec	17	7				
ment	Oct	8	18	vice-chairman NTIS sale to private industry greeted							
aluminum chloride N Sept 17-21, Great Lakes Chemical — Bromine: A good	Oct	8	42	with dismay (chart)	July	1	16 30				
bromine deal for Ethyl and Dow Pentech, furfural maker, eyedN	Sept :	24	20	Polypropylene: oriented polypropylene film prices N	Oct	29	45	IC Packagaes — Du Pont signs acquisition agreement	July	16	5
Great Lakes Waste Exchange — One's				Polypropylene staple fiber: Hercules ups	Oct	8	11	ICC Industries — Dover Chemical see under name			
waste is another's raw material Great Plains Coal Gasification — Great	Sept		15	its U.S. fiber ante	July	23	7	INA — Copechim lines up countertrade	haba	0	25
Plains goes on — and off — the block . N Great Southern Paper — Adjustments to	July	9	66	Third quarter N Sizing agents unit planned at Hatties-		22	5	with Yugoslavia N Icahn, Carl C. — USX chemicals: More	July	9	23
compensate for reduced water flow due	Aug	6	24	berg, Miss	Aug	13	20	rumors than sales; sell-off of chemical assets could finance a war chest to fend			
to drought		5	33	Tax reform: Assessing the impact (table) Teijin acquires Hercules' share of DMT	Oct	1	18	off Icahn	Oct		7
capacity: Still dropping (chart & table) . Warnsley at World Chemical Congress	Nov Sept		65	venture N Thermoformed polyolefin container busi-	Oct	15	33	Idemitsu Petrochemical — Hongoh at World Chemical Congress	Sept		66
Greer, Arthur J. — Waste handler found guilty	July	9	23	ness sold to DRG: Potential outruns				Igene Biotechnology — Molecules Naturel-	oepi	24	00
Groundwater Contamination Systems — Hazardous waste management report:				profits in plastic packaging (table) Union, Mo. plastic container plant to be	Oct	15	. 38	les: U.S. European joint venture in flavors and fragrances	Nov	5	5
Technology — In-situ bioreclamation Groundwater Systems — Microbes to the	Aug	20	63	sold to DRG	July	2	14	and fragrances	Dec	24	21
rescue: Hazardous waste bio' atment	0	00	0.4	GRNT seminar on joint ventures: Plan-	Cont	04	10	products			
fights for recognition	Oct	29	34	ning a Soviet-U.S. venture	Sept		19	Glidden operation N	Aug	20	5
cal packaging division of Georgia-Pacific	Sept	10	15	from J.B. Group N Shareholder rights plan designed to deter	Aug	20	5	ICI moves in on U.S. paints and coat- ings; acquisition of Glidden Coat-			
Corp	Dec		9	a hostile takeover adopted R Takeover is not for Hexcel	Aug	27	22 12	ings & Resins (chart)	Aug	27	13
Gulf South Research Institute — Acid rain				Hi-Tech Composites — Hexcel acquiring				Ammonia technology for C-E project in	Oct		14
spurs clean-coal research	Nov		40	Hi-Tech from J.B. GroupN Hi-Tech Interactive Training — Process	Aug		5	Chile	Oct	22	30
generation	Sept	10	7	simulators give improved training, plus Hill Chemical — McDaniel comments on	Oct		24	Coe Laboratories see under name Cross-licensing agreements with Merck			
H				high-purity products Hill Petroieum — BTX will be produced by	Nov	19	53	for new pharmaceuticals, Lisinopril and Statil	Oct	15	44
				restarting Udex unit at Houston Ship Channel refinery	Aug	12	18	Engineering thermoplastics: Change comes to the resins market (chart)	Nov	26	102
H-R International — Engineering firm moves				Himont — Europe's resin capacity: Still			33	European Vinyls Corp. to begin trad- ing	Aug		17
back to Texas	Dec	17	21	Neste extends P capacity with pur-	Nov			Europe's resin capacity: Still dropping			
No. 1 spot in fragrances	Aug	27	15	chase of PP plant at Beringen, Belgium Himont USA — Polypropylene prices N	Oct	15	14	(chart & table)	Nov	5	33
Halcon SD Group — Nobel Chematur ac- quires rights to license ethylene-from-				Sept 24-62,	Dec	10	43	\$5.2 billion/year chemical group formed	Sept	24	5
ethanol technology N Haldia Petrochemicals — India approves	Nov	19	25	pleted N Hitco — Hitco is on the block: Owens-	Nov	12	46	K'86: Europe's resin makers enjoy an upbeat mood.	Nov		8
a major petrochemical project N Hambrecht & Quist — TNF, new cancer	Aug	20	67	Corning restructuring calls for a sell-off	0			Marshall at World Fertilizer Conference: fertilizer producers examine a crisis			-
drug: comments by Petkevich	July	2	11	of the aerospace group	Sept	24	14	in urea	Sept	24	62
Hammermill Paper — Acquired by Inter- national Paper	Nov	26	15	Hoechst — Butanol makers tighten prices Dinoseb tests worry EPA	Oct	1 10	14	waste biotreatment fights for recog-			
Hansil Ltd. — Dow-Corning completes pur- chase	Aug	27	22	Europe's resin capacity: Still dropping	Nov		33	nition	Oct		34 21
Hanson Industries — SCM chemicals see				(chart & table)	Nov		6	New entries vie in chlorine technology	Aug		22
SCM Pigments Div.: TiO ₂ forecast —				ultimate joint venture'	Dec	3	15	(chart) Oil and gas interests will be merged with	Dec		31
supply, demand in balance by 1991 — Borst at World Chemical Congress . N	Sept	17	43	K'86: Europe's resin makers enjoy an upbeat mood	Nov	19	8	those of Enterprise Oil N PES and PEEK for Sumitomo NP	Sep	1 17	34
Hanson Trust — ICI acquiring the U.S. arm, including Glidden operation N ICI acquires Glidden Coatings & Resins	Aug	20	5	More fluoroplastics, more competition. Sales and earnings: first six months '86. N	Oct Aug	15	21 26	Pinning down a global marketing strategy Sales and earnings: half year '86 R	Oct	30	30 19
ICI acquires Glidden Coatings & Resins ICI No. 1 in paints with Glidden ac-	Aug	27	13	Nine-month results N Hoffmann-La Roche — Alpha tocopherol	Nov	26	21	Software for computer-aided plant de- sign		13	30
quisition	Nov	12	20	surface application: Saving the bacon	Mari	. 40	50	Software is basis of new Calma system	Aug		38
alysts seek a resting place	Dec	10	44	from nitrosamines		1 12	56	for making piping designs N Sweeter prices for EC carbohydrates		19	54
Hartmann Druckfarben GmbH — Acquired by Dainippon N July 23-7,	Aug	27	15	filed against Genentech	Sep	t 17	56 36	U.K. chemicals: In the shadow of the oil price decline (chart & table)	Sep	t 3	30
Hayashibara — Sugar and starch: Sweeter prices for EC carbohydrates	Nov	19	55	Holomed — Immune-response drug prod- uct agreement with Geriaco N	July		61	ICI Americas — Catalysts stake upped: acquisition of Nalco's interest in			
HAZTECH — Hazardous waste manage- ment: New rules are changing the game				Honeywell — Characterization of polyimide	July		61	Katalco	July	16	5
- report (charts)	Aug	20	26 28	physical properties				Center for Composite Materials at	Con	4 5.3	15
Eight companies on the fast track Hellenic Alumina — Greek alumina project	Aug	20	20	electronics units	Aug	27	7	Univ. of Delaware	Sep	t 10	6
may be revived by agreement between Soviet Union and GreeceN	Sep	t 17	32	offer direct digital link for more accurate control data N	Ser	t 24	22	ICI Americas: Sales up 100% in three years, with more acquisitions to come			-
Alumina project gets green light N Henkel — Aqualon Group, joint venture	Dec	10	43	Standards for digital instruments	Oct		28	(charts)	Nov	5	22
with Hercules in water-soluble poly- mers N	Nov	12	5	Horsehead Industries — Arco Chemical's four units to be bought (table)		13		minated; ICI will market herbicide under trademark, Gramoxone N	Aug	6	5
			-	Tour units to be bought (table)	Aut	10	,	and the state of t			

PET producers gear up to meet rising demand.	Aug	13	6	International Technology Cor. — Hazard- ous waste management report: Tech-				Clean-coal project: More dollars for coal projects	Aug	6	12
Potential outruns profits in plastic pack- aging (table)	Oct		38	nology — Mobile treatment	Aug	20	58 15	Low-cost ammonia retrofitsN NH ₃ draws a crowd (chart & tables)	Sept July 2	3	34 26
Imperial Chemical Industries Brasil — Brazilian polyester plant will be restarted	Sept	17	32	Permit problems dampen hot disposal options: "rocking kiln"	July	9	45	Process simulators give improved train- ing, plus	Oct 2		24
by a joint venture	Обрі	**	32	South African divestment takes many	Dec	24	13	KemaNord — Sodium chlorate capacity will be reduced. N	Aug 2	20	18
groupN Inca International — Enichem Fibre joint	Sept		5	Ishihara Sangyo Kaisha — TiO ₂ plant pro- posed for Singapore N Israel Chemicals — Sales and earnings	July	9	47	Sodium chlorate prices N Kemira — Finland's guidelines will severely		3	51
Indian Farmers Fertilizer Cooperative —	Dec		24	Israel Chemicals — Sales and earnings 1985: Last year was a good year N	Oct	1	36	curtail production at Kokkola pesticides plantN Finnish producers go globai	Dec 2		31
Japanese loan for fertilizer plant N Indupa — TiO ₂ plant proposal in Argen-	Oct		36 45					Gechem fertilizer acquisition will in- crease Kemira's strength N	Nov Dec		18
Industria Venezolana de Aluminio — Can two-way deals firm aluminum prices?	Oct		21	J				Negotiations for fertilizer acquisitions with Superfos and GechemN		3	24
industrial Material Exchange Service — One's waste is another's raw material.	Sept	-	15	J.B. Group — Hexcel acquiring Hi-Tech				Phosphorus plans move ahead N Soviet Union joint ventures discussed . N	Oct :		27 24
Industrial Resources — "10-7 Co-Disposal Process" for handling sodium FGD				Composites N Japan Exlan — Acrylic yarn antidumping	Aug		5	U.S.S.R. makes progress in joint-venture plans N Kemp — PSA system based on Bergbau	Dec		71
wastes	July	9	61	order nears revocationN Japan Styrene Paper America — Joint ven-	Aug		18	Kemp — PSA system based on Bergbau sieve Kemtec Petrochemical — Petrochemical	Dec	3	J0
program explains the hazards of plating operations	Oct	15	44	ture resins plant at Monaca, Pa R Jays Foods — Borden's acquisition Jetco Chemicals — Purchases oil field	July	9	21 16	operations resume at Montreal East . N Kennecott — Asarco to buy Ozark Lead	Oct	15	33
Fermenta stock	Dec	24	31	chemicals business of Sooner Chemi-	Sept	10	15	unit	Dec	17	15
ment report: waste reduction report Underwood at WPCF conference: Water	Aug		45	cal Specialties				Kenyon & Kenyon — Bowes comments	Oct		13
Information Resources — Methanol sup-	Oct		21	develop optical memory storage devices Johns-Manville Sales — No limit set on	July		34	on CAFC	Dec		15
pliers wait out hard times (chart)	Aug		36 21	2sbestes punitive damages	July		40	plications: dental restorative market Kerr-McKee — Crystal Pigment formed to build TiO ₂ plant in Saudi Arabia N	Aug		60
nate Miss Liberty: custom-cut windows Inmont — Coatings '86 — report (charts & tables).	Oct		30	Johnson & Johnson — Asbestos case: Supreme Court ruling N	Oct		48	Soda capacity cut N TiO ₂ plant in South Korea still not ap-	Nov		101
& tables). Inorganic Coatings — Chemicals help re- juvenate Miss Liberty: potassium silicate				IMC to acquire Pitman-Moore N A sharper focus in professional training	Oct	1	5	provedN Keystone Medical — KDI Quik Test: On-	Oct		60
Insilco — Valspar acquiring Enterprise	July		18	for chemical managers	Sept	17	44	the-job drug tests Kidder, Peabody & Co. — Hazardous waste	Dec	10	12
Paint Div		16	5	Cerestore: Composites bite into new applications. Johnson-Matthey — Fluorine compounds will be supplied	Aug	27	44	management: New rules are changing the game — report (charts)	Aug	20	26
RIT for hepatitis B vaccine	Nov	5	14	will be supplied	July	16	22	lasers	Aug	13	30
venture with Amoco	Aug	6	41	house in St. Petersburg, Fla. foils fire- men	Aug	13	12	engineering system N Kissei Pharmaceutical — BIOCES: protein	July	23	50
detection of Campylobacter N Interbras — Brazil looks to the U.S. Guif		23	50					engineering system	July		50
Coast for styrene		t 3	5 23	K				produce agreement with Geriaco N Kline, Charles H. & Co. — Bennett at Energy Bureau conference: Key trends chemical	July	9	61
Intercontinental Terminals — Everything's on hold in chemical storage		t 3	46	and the second second				marketers watched — More R&D Brokerage service, Findtech, opened	Sept Aug		12 10
Intermedics Intraocular — Pharmacia plans acquisition		13	16	K-Bin — Plastic molding compounds pro- duction begins	Dec	17	15	Calcined kaolin demand N Hazardous waste management: New	Nov	5	40
IBM — Diaz comments on polymerized electrochromic compounds (chart)	Oct	8	29	KMS Fusion — Controlled explosions: A little bang with a big potential (diagram) Kaiser Agricultural Chemicals — Drought	Oct	1	29	rules are changing the game — report (charts)	Aug	20	26
Microscopy: Getting a clearer focus on atoms; STM and PEM microscopes . Molecular electronics. Carbon aims to	Sep	ot 17	39	affects barge traffic	Aug	6	24	Jacobson comments on Ultraform as third U.S. producer of acetals Latham discusses plastic packaging:	Sept	3	10
dethrone silicon (diagrams)	July	/ 30	32	award: The high court lets a price-signal- ing judgment stand N	July	2	44	Potential outruns profits in plastic packaging (table)	Oct	15	38
first phase of experimental telecom- munications network N	Aug	27	38	The discriminating quest for directors: Rusen, retired officer of USA and			00	Pinning down a global marketing strategy comments by Bennett	Oct	1	33
International Chempack — Essex Chemi- cal acquires Union Plastics and will combine it with International Chem-				Commons, an oil executive Kaiser Chemical's triple consolidation: Kaiser/Harshaw/Filtrol	July	19	28	Rapid growth is foreseen for chemical distributors	Sept	3	5
pack	Oct	15	16	Reorganization plan would make Kaiser a wholly owned subsidiary of holding	1404	10	20	Regional factors alter alumina eco- nomics	Sept	17	21
lever aims to acquire Naarden and nudge IFF out of top spot in fragrances	Aug	g 27	15	company with Alan Clore as chair- man	Dec	3	5	glow (tables)	Dec	24	18
tion — Lead for battery power plant in	led	. 20	22	triple consolidation: Kaiser/Harshaw/Fil-	Mari		00	bitious new owner for a big consulting firm N	Oct	22	5
California		y 30 y 23	28	trol Kaldair — PSA system based on Bergbau sieve	Dec	19	26 30	World demand for ceramic coatings is spiraling	Nov	19	5
The benefits of deregulation Comments on electrical bug-killing and		1 15	13	Kalium Chemicals — Potash prices N Kamins, Philip E. — Buys Sterling Drug's	July		35	ing out of South Africa N Kohlberg Kravis Roberts — Leveraged buy-	Nov	26	5
soil sterilization method, Electrofrac Company community relations: Facing	No		41	Kamtec — Hazardous waste management		29	5	out for Owens-Illinois N Kollmorgen — Akzo joins two ventures in	Dec	24	34
up to the new challenge		y 16	28	report: Technology — Mobile treatment. Kanegafuchi Chemical Industry — New		20	58	electronic materials	Oct		5
FTC clears lease of Brewster Phos- phates' plants	July		23	entries vie in chlorine technology (chart). Kansai — Goodlass Neorlack Paints; shares acquired from Cookson	Oct		15	Coatings '86 — report (charts & tables)	Oct	24	30
Gypsum weighs in for sulfur recovery: cautious approach to Davy McKee's	901	, ,	20	Kantus — Japanese resin compounds for U.S. auto makersN	July		31	Combustion Engineering acquires Sprout- Waldron	Aug	13	14
Imcell Products Div. formed to make		y 23	34	Katalco — ICI ups its stake in catalysts with acquisition of Nalco's stake in				Wadhwani brings entrepreneurship. Microbes to the rescue: Hazardous	July	2	28
serum replacement products N Pitman-Moore to be acquired from John- son & Johnson N	Oc	v 12	5	Katalco		16	31	waste biotreatment fights for recog- nition	Oct	29	34
Restructuring: ICM sheds commodities, opts for biotechnology: Industry Group	OC.		3	lic paints	Auj	, 13	31	no-nonsense president at Koppers Korea Steel Chemical — Hexachlorophene:	Nov	5	19
assets to C.P. Gallagher and Weiss, Peck & Greer; Oil and Gas Div. to				ment Kearney, A.T. — Insurance keeps truck	Oct		20	new grade NP Korn/Ferry International — The discriminat-	Aug	13	31
Wintershall Gas & Oil N Tax reform: Assessing the impact (table)	Jul		18	Pinning down a global marketing strategy:		17	10	ing quest for directors: liability and con- flicts of interest deter many execuives			00
International Paper — Acquires Hammer- mill Paper	No	v 26	15	Kelley, Drye & Warren — Bhopal lawsuit begins in India.		t 1	30 15	from taking on board positions. A sharper focus in professional training for chemical managers.	July		28
Court term for the chemical industry International PC — Ethylene and PE tabs:	Oc		6	Kellogg, M.W. — Agrico completes retro- fit of Kellogg-designed converter: A				Kossoff, R.M. & Associates — Kossoff com- ments on Ultraform as third U.S. producer			
A tenuous link? (chart)	No	v 12	36	world record for an ammonia plant? . N Argentine negotiations for feedstock for		29	19	U.S. demand for engineering thermo-	Sepi		10
ski discusses growth for polyacrylate superabsorbents: Acrylic acid capacity expands worldwide (chart)	Oc	1 15	6	ammonia-urea plant N Chemicals ride out the Gulf Coast recession (chart)	Jul		25	plastics (chart) Kulhman — Purchases Apex Metals plant to produce molded plastics R		26	102
anguardo restando (cinare)	00		-	and the same of th	50		-	produce motor pressive	rwy		,,,

Kulzer & Co. — Estilux for dental applica-				NTIS sale to private industry greeted	lube	22	18	treatment of duodenal ulcers; Noroxin			
tions: Composites bite into new appli- cations	Aug	27	43	with dismay (chart)	July		16	norfloxacin for treatment of urinary tract infections	Nov	26	16
Kuraray — Eval Co. of America see under name				worldwide medical electronics units . N Loctite — Chairman Krieble stepping down;	Aug	21	7	Merrell Dow Pharmaceuticals — Bendec- tin suits will not be decided in federal			
Japan's fiber makers seek market alter-	Oct	22	22	likely successor is Kenneth W. Butter- worth	Sept	17	7	courts N Merrill Lynch — For chemicals, repairs	July	16	40
natives (table). Kureha Chemical Industry — Polyphenylene				Logistics International - Info-Hazmat data				cushion the housing drop (charts) Hardiman comments on U.S. economy	Oct Sept		7
sulfide plant to be built N Kyorin Pharmaceutical — Merck licenses	Aug		28	base: New help for responding to emer- gencies	Dec	3	16	Merrill Lynch Capital Markets Palm dis-			
drug, NoroxinN	Nov	26	16	Los Alamos National Laboratory — Chaos may offer a clue to chemistry	Sept	10	29	cusses plastic packaging	Oct	15	40
				Truex solvent extraction process: A				phous silicon production pact N Metal Box of England — Petainer see under	July	16	22
L				process to downsize nuclear wastes Lubricating Oil Co. — Recycled oil refinery	Dec		30	name			
				to be built	Aug	27	26	Microbe Masters — Microbes to the res- cue: Hazardous waste biotreatment			
LCP Chemicals & Plastics — Caustic potash: A well-supplied market attracts bold new				ing optimismN	Nov	5	5.	fights for recognition	Oct	29	34
players	July	2	8	Sales and earnings: second quarter . N Venturing entices chemical makers	Aug	6	5		Sept	3	45
Chlorine: Tight market, tight profits (table) LISP Machine — Al tackles real-time process	Sept	10	18	(chart) Lucky Advanced Minerals — TiO ₂ plant in	Nov	12	23	MidCon Corp. — Great Plains goes on — and off — the block N	July	9	66
LOF Plastics — Molded Products Group	Sept	10	38	South Korea still not approved N Lummus Crest — C-E bids \$340 million in	Oct	22	60	Miles Laboratories — Cutter biological busi- ness will be merged with its prescription			
				Chile for ammonia and urea project	Oct		14	drug businessR	July	23	20
ing groups: the Automotive Products Group and the Diversified Products				Shutting down operations in the U.K N Lyondell Petrochemical — Property tax dis-	July	16	22	Diagnostics agreement with Hygeia Sciences N Millard Consulting — A sharper focus in	Sept	24	22
Group	July		7	pute with Harris County, Tex.: Industry fires up over a property tax dispute	Oct	29	17	professional training for chemical man-			
LTV Corp. — As steel falters, chemicals				Starnes at Energy Bureau conference:	001	20	"	agers	Sept	17	44
hold Lab Support — Chemist temporaries: Now	July		18	Aromatics levels may increase in gasoline	Sept	24	10	Ltd. see under name			
you can 'rent a chemist'	Aug	20	24					Millmaster Onyx — Stepan to buy Onyx Chemical segment	July	30	7
Metal complexes may help to make	Dec	2	16	M				Chemical segment N Mississippi Chemicals — NH ₃ draws a crowd (chart & tables)	July	23	26
superconductorsN Ladish Co. — Owens-Corning restructur-	Dec	3	10					Mitek — Polymer encapsulation process:	-		
ing calls for a sell-off of the aerospace	Sept	10	14	MK-Ferguson — New entries vie in chlorine				Encapsulated pigment for latex paint Mitral Medical — Venturing entices chemi-	Sept		45
group Lafarge Corp. — Acquisition of cement distribution terminal assets on the Great				technology (chart)	Aug	13	22	cal makers (chart)	Nov	12	23
Lakes from National Gypsum R	Dec	17	15	management report: Technology —				method to produce INA N	Oct	1	36
Lancaster Laboratories — National accredi- tation for labs? Costs cited	July	30	17	Mobile treatment	Aug	20	60	Sales and earnings six-months '86: The effect of the weaker dollar in Japan . N	Sept		37
Lancome — Skin-treatment products cast a rosy glow (tables)	Dec		18	Truex process use	Dec	24	30	Sugar and starch feedstocks Venturing entices chemical makers	Nov	19	55
Land O'Lakes — Spencer Beef Div. merger	000			safeguards	Oct	8	36	(chart)	Nov	12	23
with Excel: Montfort's efforts to block merger rejected by Supreme CourtN Lanzhou Chemical Industry — LLDPE	Dec	17	78	Magellan International Nitrogen — C-E	Nov	12	44	routes to Reppe chemicals	Dec	17	9
Lanzhou Chemical Industry — LLDPE plant contract to SinoKellogg N	Dec	24	34	bids \$340 million in Chile	Oct	15	14	GE defends its Noryl plastic patent in Japan	Oct	15	5
La Roche Industries — Customer for Swiss			41	tractural fees in common stock R	Aug	13	16	Joint venture resins plant at Monaca,	July		21
ammonia converterN Leserscope — Du Pont acquiring a minority		6		Market Search — Best discusses sales of plastic food-packaging units: Potential				Solvay licenses nylon technology N	Nov		26
equity position	July	23	21	outruns profits in plastic packaging (table).	Oct	15	38	Mitsubishi Monsanto Chemical — Plant for TPE's, Santoprene and Geolast N	July	9	47
tilling tower from Gulf's old refinery	Aum	22	26	Engineering thermoplastics: Change				for TPE's, Santoprene and Geolast N Mitsubishi Petrochemical Co. — Plastic compounds for U.S. auto makers N	July		31
from Ultramar Canada N Lawrence, Cyrus J. — Maxwell, Charles T.	Aug	21	20	comes to the resins market (chart) Marlborough Biopolymers — Sweeter prices	Nov		102	Sales and earnings: first-half '86 N	Aug		67
at SPE meeting: Two meetings of minds on oil (chart)	Oct	22	14	for EC carbohydrates	Nov	19	54	Mitsubishi Rayon — Acrylic yarn antidump- ing order nears revocationN	Aug	13	18
Lawrence Livermore National Laboratory X-ray microanalyzer NP	Sept		34	metals: contract for metal-based XDTM	Mari	10	O.F.	Japan's fiber makers seek market alter- natives (table)	Oct		22
Lee Scientific — Supercritical fluid chro-	Japa	11	34	composites N Marutamaya Ogatsu — Chemicals help	Nov	19	25	natives (table)			
matograph: A supercritical route to com- pound analysis	July	2	34	rejuvenate Miss Liberty: A flashy Fourth of July.	July	2	19	be increased	Sept		32
Leeds & Northrup — Water management takes to computers	Nov	5	30	Matec — Alloy Surfaces and Synergistic Technologies joint venture in coatings R	Sept		20	Mitsui Petrochemical Industries — Copoly-	July	23	50
Les Metalliers Champenois — Chemicals				Matlack — Truckers and shippers find a	odpi	24	20	mer capacity boost N Plant for the production of optical disks	Sept	24	54
help rejuvenate Miss Liberty Libbey-Owens Ford — Trinova, new name:	July	2	18	to get more money"	July	30	23	for computers; will supply Optrom			
The chemistry of a corporate name change	July	23	41	new togetherness; Trippitelli: "We have to get more money" McDonnell Douglas Astronautics — Tsuchi- yama at COGSME meeting: Composites				with the polymer for production of compact disks	Sept	3	18
Life Technologies, Inc. — 'B' stands for Bethesda — Letter.	Nov		4	'get it together'	Nov	26	14	Sales and earnings: six-month period '86 N	Nov		40
Lilly, Eli — The discriminating quest for				cyanide safeguards	Oct	8	36	Mitsui Toatsu Chemicals — New entries			
directors: AT&T's Tobias	July	2	30	Univar's acquisition: Univar makes a move for No. 1 (chart)	Oct	1	9	vie in chlorine technology (chart) Polystyrene capacities shuffled N	Aug	22	22 28
nology licenses from California Bio- technology	Oct	8	21	move for No. 1 (chart) McKesson Environmental Sciences — Study for Vinyl Institute on lead in drink-				Venturing entices chemical makers (chart)	Nov	12	23
Sidn-treatment products cast a rosy glow (tables)	Dec		18	ing water	Nov	26	12	Mitsui Zosen (USA) — Contract to Stearns Catalytic World for polypropylene plant . R	Aug		20
Lilly Industrial Coatings — Coatings '86 —				meeting on the impact of mergers and				Miwon - L-lysine plant for South Korea. N	Nov		40
report (charts & tables)	Oct	22	30	acquisitions	Nov	5	7	Mobay — Coatings '86 — report (charts & tables)	Oct	22	30
New paths for drug delivery	July		26	data bases. Meinken — Contract for Saudi recycled	Sept	24	6	Company community relations: Facing	July	16	28
Liposome Technology - Liposome re-	Aug	21			Aug	27	26	Engineering thermoplastics: Change		10	20
search: New paths for drug delivery	July Aug		26 20	Memorane Technology and Research — Acid rain spurs clean-coal research	Nov	12	40	comes to the resins market (chart) GM plant closings: Nobel comments	Nov	26 19	102
Letter Liquichimica — Italy's chemical trade	Aug	27	4	Membranes go to work against waste . Merck — Anticholesterol drug, lovastatin:	Nov	26	109	HDI derivatives to be boosted N Plastics producers gear up for the battle	Aug		36
deficit mars a vintage year (charts &	0-4		00	clearance applied for	Nov	19	22	of Detroit	Nov	5	6
table) Cardox Div.: Supply disrup-	Oct		22	Chemed's Vestal Laboratories R	Nov	12	20	Polycarbonate: Resin producers cash in on CDs.	Oct	8	8
tions crimp CO ₂ profits Liquid Carbonic de Espana — ERT takes	Oct	29	46	Cross-licensing agreements with ICI for new pharmaceuticals, Lisinopril				Polymer blends (table) Polyurethane Div.: A fast path to urethane		16	7
a 25% share	Oct	22	28	and Statif N	Oct	15	44	foam NP	Nov	12	44
ruptions crimp CO, profits	Oct	29	46	Merck Frosst Canada — Research center investment as Canada revises its patent				Resin suppliers await personal compu- ters' rebound (chart)	July	23	8
Little, Arthur D. — Hazardous waste man- agement: New rules are changing the				law Merck, Sharpe & Dohme — Antibiotics that	July	16	11	Restructures its operating units from eight to seven.	July		19
game — report (charts) Hegeman at Energy Bureau conference:	Aug	20	26	snow the broadest spectrum yet N	Oct	8	21	RIM polyurethane pushed as a rubber			
Key trends chemical marketers			4-	Antivirals: In hot pursuit of a cure for the cold	Sep	t 24	49	substitute N Texin thermoplastic urethane resin for	Oct		60
watched — More acquisitions Levy discusses plastics in building prod-	Sep	1 24	12	Consortium aims to improve molecular	Aug		41	luminescent golf ball	Oct	15	34
ucts: For chemicals, repairs cushion the housing drop (charts)		22	7	modeling N Recombinant vaccine for people will				getherness	July	30	23
Liposome research: New paths for drug				protect against hepatitis B N Two new drugs: Pepcid famotidine for	July	30	22	Mobil — Corso discusses environmental concerns: The expanding liability net	Oct.	29	14
delivery	July	30	26								

Florida Supreme Court refuses to re-				Asahi-Mont, joint venture in Japan N	July	16	33	National Industrial Gases — Operations	Cont	10	27
consider case involving mineral rights under Florida's waterways R	Sept	3	17	Europe's resin capacity: Still dropping (chart & table)	Nov	5	33	fully onstream	Sept		37
LDPE and LLDPE prices	July	16	17	Fermenta acquisition: El-Sayed will sell his interest to Montedison	July	16	9	Dwight plans acquisition N Nattermann — Acquired by Rhône-	Oct	8	5
OPP film capacity at Stratford, Conn. to				Fermenta deal hits a snag N	Sept	3	18	Poulenc	Oct	15	33
be expanded	Nov	26	5	Montedison still wants Fermenta N Montedison calls off negotiations. N	Sept	10	37 27	Natural Gas Pipeline of America — Colorado Interstate Gas gas contract is upheld R	Nov	19	22
Polystyrene plant at Joliet, Ill. may be				Ferruzzi's Raul Gardini, is now Mont-				Naval Research Laboratory — KMS Fusion's			-
expanded N Polystyrene prices N	Nov Sept	26	101 51	edison's No. 1 shareholder N Himont see under name	Oct	22	5	controlled explosions: A little bang with a big potential (diagram)	Oct	1	29
Weeks, Robert G. to be chemical unit's				Italy's chemical trade deficit mars a vin-	-			Polymerization opens doors for liposomes	Aug	6	39
president	July	16	15	tage year (charts & table)	Oct	8	22	Nederlanse Stikstof Maatschappij — Urea process for C-E project in Chile	Oct	15	14
nology tackles dilute wastes	Oct	1	40	effect of the weaker dollar in Italy . N	Sept	10	37	Process for C-E project in Chile			
Mogul — Water management takes to com- puters	Nov	5	30	A stronger Montedison fights for profit- ability (chart & table)	July	23	52	Still dropping (chart & table)	Nov	5	33
Molecular Genetics - Cooperative re-				Montefibre — Italy's chemical trade deficit			20	Himont's PP plant at Beringen, Belgium	Oct	15	14
search in animal health care with East- man Chemical	Nov	5	26	mars a vintage year (charts & table) A strong showing for Italy's fiber	Oct	8	22	New Mexico Potash — Fermenta will sell U.S. operation N	Oct	15	5
Disease control in corn: research agree-				makers	Oct	8	25	U.S. operation N Newmont Mining — Foote Mineral: New-			
ment with Rhone-Poulenc Agro- chimie	July	30	19	business to be bought	Nov	19	22	mont puts its 87.5% holding on the block N	Aug	6	6
Molecules Naturelles — U.SEuropean joint			5	Morgan Stanley — Derbes comments on Valspar's acquisition of Enterprise				Letter Nippon Aramid Yugen Kaisha — Joint ven-	Aug	27	4
venture in flavors and fragrances N Molycorp — Additive for oil-drilling lubri-	Nov	5		Paint N	Dec	3	5	ture to market crika's twaron aramid			
cants	July	2	22	Paint	Dec	17	7	fibers in Japan	Dec	24	5
jects efforts to block merger of Excel				Skin-treatment products cast a rosy				plant planned at Millersburg, Ore N	Dec	24	5
and Land O'Lakes Spencer Beef Div N	Dec	17	78	glow (tables)	Dec	24	18	Nippon Mining — New para-xylene capacity	Doo	17	50
Monkman-Rumsey — Plastics in cars — study	Nov	5	7	Underwater Devices v. Morrison-Knud-				due onstream	Dec	17	56
study	Sept	17	9	Carbon Fuels' liquefaction process will	Dec	24	15	genic equipment, technology, startup	Cont	10	15
Adhesives coater demonstrated R	Oct	29	17	be evaluated	July	30	17	services for air separation plant R Nippon Zeon — Automotive rubber, Zeo-	Sept	10	15
Akzo buys paper chemicals unit N Alachlor offered to private-label market:	Oct	8	5	Morton Thiokol — Acquisition of Polymer Corp. completed	Aug	6	20	spanNP Niro Atomizer — Aquatech process to be	Oct	15	34
Poorer prospects for corn and soy-			112	Coatings '86 — report (charts & tables)	Oct	22	30	tested	Nov	26	106
bean herbicides	Oct	15	25	Plaskon buys encapsulants	Aug	13	14	Nitratos de Castilla — EHT will take majority	Oct	22	28
raised N	Nov		101	Stewart, Jay, moving up to the post of president and chief operating officer. N				control	OCI	22	20
BP Chemicals to buy acetic technology. N Coatings '86 — report (charts & tables)	July	16	17	president and chief operating officer . N	Nov	5	5	Sverige okaved by Swedish govern-	Dec	17	71
Company community relations: Facing								ment N Nitrotec Engineering — PSA system based on Bergbau sleve			
up to the new challenge	July	16	28					on Bergbau sieve	Dec	3	30
modeling N	Aug	6	41	N				to be designed N Nomura Securities International — Shah	Nov	19	25
Container business on the block N Container business to be sold to Ball	July	30	7					Nomura Securities International — Shah comments on Alzheimer's drug N	Nov	19	66
Corp	Nov	5	5	M. Barris American American	E-A-	00	07	Noone, Thomas — Inventrepreneurs Forum	1401		00
ing chemicals planned R	Aug	6	20	N-Ren — Ammonia assets for sale NEC Corp. — BIOCES: protein engineer-	July	23	27	will bring together inventors and entre- preneurs N	Aug	27	38
Fermenta Plant Protection will be ac-				ing system N NL Baroid — Fotenot, John E. at SPE meet-	July	23	50	Norchem see Enron Chemical	rag	-	-
quired N Filipello at Chemical Industry Confer-	Oct	15	5	ing: Two meetings of minds on oil (chart)	Oct	22	14	Norfolk Southern Railroad — The benefits of deregulation	Oct	15	13
ence: An upbeat future for chemicals	Nov		10	ing: Two meetings of minds on oil (chart) NL Chemicals — NL offers its chemical				Conrail's proposed sellout jumps the			
Filippello comments on U.S. economy. GM plant closings: Ginter comments	Sept		12	units' stock to the public N NL takes stock in its chemicals:	July	2	7	tracks Norsk Hydro — Magnesium plant will be	Sept	3	6
Hazardous waste management: New				chemicals segment spinoff to thwart	haba	22	16	built in Canada	Oct	29	27
rules are changing the game — report (charts)	Aug	20	26	A takeover	July	23	16	Stock begins trading on the New York Stock Exchange	July	2	7
Waste reduction is the way to go	Aug	20	39	spinoff N NL Industries — NL offers its chemical	July	30	7	Norsolor — Acrylic acid capacity expands			
Herbicides: Monsanto and Sandoz team up in herbicidesN	July	23	7	unit's stock to the public N	July	2	7	worldwide (chart)	Oct	15	6
International plans for elastomers, San-			47	Simmons passes NL's poison-pill			5	low-profile era in U.S	Sept	24	32
toprene and Geolast	July	9	47	threshhold	July	9	3	North Western Transportation — Train de- railment in Iowa	Aug	6	20
additional restrictions N	Oct	15	48	Chemicals segment spinoff to thwart	July	29	16	railment in Iowa			15
Linear alkylbenzene expansion at Choco- late Bayou, Tex	Dec	17	15	a takeover				Northern Instruments — Rust inhibitor for	Sept	3	
Matzke comments on cotton market Monsanto Chemical. 'A mix of products	July	16	18	spinoff	July		20	plasticsNP Northgane Minerals — Sulfur recovery is	Nov	12	44
with short- and long-term payouts'	Aug	13	32	NL Industries "poison-pill" antitake-	nuy	0	20	planned at Alberta stockpiles N	Aug	13	18
Monsanto. St. Louis: The blues — or swing time? — Viewpoint	Aug		3	over measure struck down by federal judge in N.Y N	Aug	13	5	Norton — Ceramic membranes Chemicals help rejuvenate Miss Liberty:	Sept	17	14
Nylon fiber makers roll out stain-resistant				Takeover battle ends in a pact N	Aug	20	5	aluminum oxide (table)	July	2	18
carpets N Permea see under name	Oct	8	41	Naarden International — Unitever's acquisition: A nose for No. 1 in fragrances	Aug	27	15	Nova Pharmaceutical — Bradykinin: In hot pursuit of a cure for the cold	Sept	24	49
Phosphoric acid dumping charges filed. N	Dec		33	Unilever has acquired almost 95% of				Licenses Pharmatec patented drug	ООР		
Plastic alloys, Triax, being introduced . N Plastics producers gear up for the battle	Aug	6	41	sharesN Nalco Chemical — Clark at Chemical In-	Nov	12	26	carrier that delivers agents to the brain	Sept	3	34
of Detroit	Nov		6	dustry Conference: An upbeat future for	Mari	00	10	NovaCel, drug-delivery joint venture			-
Polymer blends (table)	July	16	7	Consolidation of Energy Chemicals and	Nov	20	10	with Celanese	July	9	5
ness	Oct		8	Oil Field Services divisions into a new				Celanese and Nova	July	9	5
Sales and earnings: third-quarter '86. N A sharper focus in professional training	Nov	5	5	Petroleum Chemicals unit; elimination of about 250 jobs	July	9	17	tabs: A tenuous link? (chart)	Nov	12	36
for chemical managers	Sept	17	44	ICI buys Nalco's stake in KatalcoN	July	16	30	Joint sales contract with Westlake			40
Sterling Chemicals ready to go through with LBO of Monsanto's petrochemi-				Pinning down a global marketing strategy Putting up more money for less waste .	Dec		26	Polymers N Novo Industri — Acquires 75% share in	Nov	5	40
cal complex at Texas City, Tex N Methanol plant at Texas City will be	July	2	7	Steel industry's problems may affect water treatment chemicals	habe	30	19	Ferrosan N Noxell — Skin-treatment products cast a	Dec	3	24
shuttered by Sterling N	Aug	6	24	Tax reform: Assessing the impact (table)	Oct	1	18	rosy glow (tables)	Dec	24	18
shuttered by Sterling N Sterling completes purchase of Texas			16	Trendcheck: Water management takes	Nov	5	30	NutraSweet — Agreement with DNAP in search for sweeter sweeteners N	Aug	13	30
City, Tex. plant	Aug	13	16	to computers	1400		00	Nynaes Energy Chemicals — Sweden's	nuy	10	00
TAP, a real-time instrument to study	Aug	27	16	Allen, Douglas L. first president of NDCC Chemical Group	Aug	20	22	energy complex suffers setback. Superios	Sept	17	32
catalytic reactions N	Oct	1	26	The discriminating quest for directors:	Aug			drops out	ОФР		
U.S.S.R. makes progress in joint-venture				Rexam's Lea and USS' Thomas Enron Chemical acquisition: National	July	2	30	complex suffers setback N	Sept	17	32
Venturing entices chemical makers	Dec		71	Distillers' push for the top in poly-	4						
(chart)	Nov	12	23	ethylene (chart)	Oct	1	8	0			
recovery system debuts in an H ₂ SO ₄				National Distillers' new chemical chief National Electric — Coffeyville, Kan. in-	Aug	20	22	U			
plant in Norway	July	16	22	National Electric — Coffeyville, Kan. in- cinerator to burn PCBs gets EPA approval							
to operate Mound unit will not be re-				TOF TEST DUFFIS	Sep	1 24	22	O.H. Materials — Hazardous waste man-			
newed	Nov	12	20	National Gypsum — Lafarge's acquisition of cement distribution terminal assets				agement: New rules are changing the game — report (charts)	Aug	20	26
Montedison — Agrimont, new division created	July	2	31	on the Great Lakes	Dec	17	15	Eight companies on the fast track	Aug	20	28

Holden, Mo. PCB cleanup: A small town's				Oxford Environmental - Microbes to the				Petrochemisches Kombinat - First client			
problem spurs call for big changes in				rescue: Hazardous waste biotreatment	-			for Japanese HSC process N	July	23	50
PCB legislation	Sept	17	8	fights for recognition	Oct	29	34	Petroleo Brasileiro — Energy protocol signed by Argentina and Brazil N	Aug	6	36
Oak Ridge National Laboratory — Truex solvent extraction process: A process				Oxy Process Chemicals — Henkel Corp.	Dec	17	5	How lower oil prices affect Latin Amer-	Aug		30
to downsize nuclear wastes	Dec	24	30	to acquire company N Oxytech — New entries vie in chlorine				ica	Aug	20	77
Occidental Chemical — Chlorinated sol-	Dee	04	34	technology (chart)	Aug	13	22	Petroleos Mexicanos — Beteta at API meet-			
vents prices N	Dec		31	Ozark Lead — Asarco to buy unit R	Dec	1/	15	ing: Concern quickens over oil slow- downs	Nov	19	12
Chlorine prices	Sept	10	18					Petroleum Industries Co. — Kuwait and			
Diamond Shamrock Chemicals' acqui-	_			D				the U.S.S.R. exchange ammonia N	July	30	29
sition completed	Sept	10	15					Petromont — Dinsmore steps down as president; new president will be Andre			
in its game plan; will hold on to indus-								LaPaime N Outlook: 'Getting on with the job' of run-	Aug	13	28
trial chemicals and sell off the rest	Oct	1	11	PDM — Commodity swings rock U.S. naval	1			Outlook: 'Getting on with the job' of run-	Mari	00	04
Durez Div. introduces new thermoset				stores (chart) PEI Associates — International Technology	Oct	1	37	ning Petromont	Nov	20	21
compounds: Meterko at World Chemi- cal Congress	Sept	17	43	merger	Dec	3	15	prices affect Latin America	Aug	20	77
LCA survey cogeneration	Sept		7	nergerR P.K.Innovations — Upgrading calcium	500	•		Kellogg negotiating with Argentina for			
Microbes to the rescue: Hazardous waste				chloride deicers with Verglimit N	Nov	12	21	feedstock for ammonia-urea plant N Petroquimica de Venezuela — How lower	July	9	25
biotreatment fights for recognition The quest for 'hungry' genes		29	34 38	PLM — Petainer see under name PPF International — Unilever would merge				oil prices affect Latin America	Aug	20	77
New entries vie in chlorine technology	OCI	20	30	Naarden and PPF	. Aug	27	15	Pfaudler — Standard Oil set for divesti-			
(chart)	Aug	13	22	PPG Industries — Azdel: A new GE-PPG			-	tureR Pfizer — Cancer research agreement with	July	9	23
Oxy Process Chemicals to be acquired	Dan	17	5	Chlorine pricesN	July		7 31	Oncogene Science N	July	16	22
by Henkel	Dec	17	3	Chlorine: Tight market, tight profits (table)	Sept		18	Licenses worldwide marketing rights to			
bonate venture with Church & Dwight.				Coatings '86 — report (charts & tables)	Oct	22	30	fuel additives from Polar Molecular . N	Dec	17	21
Armand Products N Ocelot Industries — Methanol plant at	Oct	1	5	Company community relations: Facing up to the new challenge	July	16	28	Sweeteners: approval for new sweetener, Alitane, sought	Sept	3	34
Kitimat, B.C. closed N	Nov	12	26	Epoxy for Alcoa's new can coating	July	10	20	Alitane, sought			
Methanol plant reopened N	Nov		21	process	Oct	29	19	ment with T Cell Sciences N	Sept	10	22
Ohio-Ontario Clean Fuels — Clean-coal	Aum		10	GM plant closings: Ruch comments	Nov	19	12	Pharmacia — Acquisition of Intermedics	Aug	13	16
project: More dollars for coal projects . Ohio Power — Clean-coal project: More	Aug	6	12	Halamine compounds: A disinfectant that doesn't 'bite'	Sept	17	19	Intraocular planned			
dollars for coal projects	Aug	6	12	Instrument and Systems Group formed;				tribution rights to diagnostic lines . N	Sept	24	22
Old World Trading — Peak antifreeze and				will acquire medical electronics units	Aug	27	7	Pharmatec — License to Noval Pharma- ceutical covering patented drug carrier			
related consumer products business to be bought from Enron Chemical	Aug	27	21	of Honeywell and Litton Industries. N Microbes to the rescue: Hazardous	Aug	41	,	that delivers agents to the brain N	Sept	3	34
Olin — Acquires Continental Water Sys-	Aug	21	21	waste biotreatment fights for recog-				that delivers agents to the brain N Phelps Dodge — Diversifies into carbon black with purchase of Columbian Chem-			
temsR	Dec	10	18	Perchloroethylene overcapacity: four	Oct	29	34	black with purchase of Columbian ChemicalsN	Nov	10	5
Caustic potash: A well-supplied market	July	2	8	producers left as Du Pont pulls out	July	16	9	Phenolomont — Distilling tower from Gulf's	1404	19	3
attracts bold new players			31	Pinning down a global marketing strategy	Oct	1	30	old refinery to be bought from Ultramar			
Chlorine: Tight market, tight profits (table)	Sept	10	18	A sharper focus in professional training	0	47	44	Canada	Aug	27	26
The discriminating quest for directors:				for chemical managers Taiwan silica operation to be expanded. R	Sept	20	17	chemical makers (chart)	Nov	12	23
entrepreneurship a factor in the choice of Holland and Read	July	2	28	VCM: Monomer producers fight for higher				Phibro Eneregy — Hill Petroleum see under		-	
Dividend hikes reflect growing opti-				prices	Nov	12	9	name			
mismN	Nov	5	5	Wagner comments on new transparent rubber from Battelle	Aug	27	52	Philipp Brothers — The push for more cyanide safeguards	Oct	8	36
Electronic cermaics joint venture with Asahi Glass to produce thick-film				Pace Consultants — Pylant comments on	riug			cyanide safeguards		-	-
ceramic substratesN Joliet is ready for the worst: Piercy sees	Sept	24	5	C₄s feedstocks	Dec	17	10	for ban on use of AB sulfonates: Syn-	0-1		00
Joliet is ready for the worst: Piercy sees	6.6.	00	45	Pacific Biotechnology — California Bio-				thetics vs. coconut derivatives N Phillips Petroleum — Al tackles real-time	Oct	1	36
"CAER as part of doing business" KOH Niagara Falls, N.Y. plant goes on	July	30	15	technology setting up Australian sub- sidiary	Nov	19	5	process control	Sept	10	38
lineR	Nov	12	20	Pacific Gas & Electric — Air Products' co-				O'Connor at COGSME discusses pro-		00	
lineR Microbes to the rescue: Hazardous				generation project will supply elec-	Nov	5	26	ducing composites with thermoplastics Phillips 66 — Engineering thermoplastics:	Nov	20	14
waste piotreatment lights for recog-	Oct	20	34	tricity	1404	3	20	Change comes to the resins market			
Propylene glycol product prices N	Dec	24	34	of McKesson Chemical will be financed				(chart)	Nov	26	102
Purchasing managers extend their reach	Aug	27	48	in exchange for 35% stake in Univar	Oct	1	9	Ethylene and PE tabs: A tenuous link?	Nov	10	36
Sales and earnings: second quarter N Third quarter	July	23	7 5	(chart)	001			(chart)	Oct	8	41
Vice-presidential post of chief scientist				Shale-fired cogeneration tries out in	0	0	40	Specialty Chemicals Packaged Products			
will be filled by Irving Shain, chan- cellor of Univ. of Wisconsin N	Dan	10		Israel	Dec	3	16	unit: 'Gourmet chemicals' in small, pricey packages	Nov	10	50
Olin-Asahi Interconnect Technologies —	Dec	10	5	Canada reviews methanol operation N	Oct	8	28	Pick Point Enterprises — Luminescent golf	1404	10	
Joint venture in electronic ceramics to				Pantasote — Damon, Edmund H., presi-				ball	Oct	15	34
produce thick-film ceramic substrates. N	Sept	24	5	dent and CEO: 'A coach' is Pantasote's	July	16	24	Energy's methaneN	Aug	20	73
Omega Research — Coatings '86 — report: radiation curables	Oct	22	46	new CEO	outy	10		Pilkington Holdings — Merger agreement	Aug	20	
radiation curables Oncogene Science — Cancer research				seek a resting place	Dec	10	44	with Swedlow F	Oct	29	17
agreement with PfizerN	July	16	22	Parker Drilling — Separex acquired by Air Products and Chemicals N	Oct	1	5	Pilko & Associates — Environmental per- mitting resource: Union Pacific's site			
Ontario Hydro — Aquatech process to be tested	Nov	26	106	Parsons, Ralph M. — Unocal route to re-	001			finder service (chart)	Dec	24	7
Onvx Chemical — Stepan to buy Onvx				move sulfur from process gases N	Nov	26	16	Pilko comments on copany community			-
Chemical segment of Millmaster Onyx . N	July	30	7	Partek — U.S.S.R. makes progress in joint- venture plans	Dec	17	71	relations	July		28 69
Oppenheimer & Co. — Jones comments on O-C planned sale of aerospace group	Sept	10	14	venture plans	200	**		Plant sites: Plentiful but risky	OCI	22	00
Rose comments on fluoroplastics	Oct		21	internal pressure) technique	July	23	9	report: radiation curables	Oct	22	46
Optrom — Mitsui will supply polymer for				Pekin Energy — Ethanol's viability fuels dispute	Oct	1	13	Pitman-Moore — IMC to acquire company from Johnson & Johnson N	Oct	1	5
the production of compact disks N Oregon Metallurgical — Owens-Corning	Sept	3	18	Pennwalt — Chlorine prices N	Nov		40	Plant Cell Research Institute — Arco unit	OCI	,	
restructuring calls for a sell-off of the				Chlorine: Tight market, tight profits (table)	Sep		18	up for sale	July	30	7
aerospace group	Sept	10	14	Company community relations: Facing	to also	40	00	Plant Resources Venture Funds — Microbes	0	20	40
Oriental Chemical Industry — Joint venture with Degussa for catalytic converters.	Cont	24	22	up to the new challenge	July	10	28	to the rescue	Oct	74	40
Orion Pharmaceutica — NASH technique:	oehi	24	32	Kevgas comments on fluoropolymers				Morton Thiokol's encapsulantsR	Aug	13	14
agreement with Du Pont	Nov	19	20	market	Oct		21	Plastics Management — Engineered Plastic			
Oronzio De Nora — Chlor-alkali membrane cell joint venture with Dow	leibe	20	10	Organosulfur: plant capacity expanded . N Tax reform: Assessing the impact (table)	Nov		48 18	Components, joint venture with Alcoa FujikuraR	Dec	3	15
Membranes: New entries vie in chlorine	July	30	19	Pennzoil — Skin-treatment products	Dec	24	21	Polar Molecular — Licenses worldwide	2000	3	
technology (chart)	Aug	13	22	Texaco bond case: A crucial Supreme				marketing rights to fuel additives to	_		04
Oronzio De Nora Technologies — New			20	Court term for the chemical industry Pentech — Great Lakes Chemical eyes	Oct	8	6	Pfizer N Polaroid — CAFC decision in instant	Dec	17	21
entries vie in chlorine technology (chart). Osmonics — Venturing entices chemical	Aug	13	22	furfural maker N	Dec	17	5	photography case	Dec	24	15
makers (chart)	Nov	12	23	Permea — Membrane gas separators: A				Eastman Kodak patent case: Supreme			
Outokumpu — U.S.S.R. makes progress			71	new generation N Monsanto's Permea: The chemistry of	Sep	10	22	Court ruling	Oct	15	48
in joint-venture plans N Owens-Corning Fiberglas — British Petro-	Dec	17	11	a corporate name change	July	23	41	garian-Japanese joint venture in poly-			
leum will acquire HitcoN	Dec	24	5	Petainer — Coca-Cola loses exclusive				ethylene foamR	July	23	21
Restructuring calls for a self-off of aero-				rights to a plastic can N Producing plastic cans at pilot plant . N	Dec		34	Polimotor Research — V-6 Turbo racing			
space group that includes Hitco Takeover attempt by Wickes Co. N Aug	Sep	1 10	14	Petrochem — Hazardous waste manage-	Dec	24	34	engine: Plastics producers gear up for the battle of Detroit	Nov	5	6
13-5,	Aug	20	17	ment: New rules are changing the game			-	the battle of DetroitPolyalkylene Carbonate Polymers — Joint			
13-5				report. (charts). Eight companies on the fast track	Aug	20	26 28	development by Arco and Air Products N	Oct	29	19
from Kohlberg Kravis Roberts N Oxenham Technology Associates — FCC	Dec	2 2	34	Petrofertil - Brazil and Argentine com-	rug	20	20	Polybac — Microbes to the rescue: Haz- ardous waste biotreatment fights for			
catalysts: growth and change N	Aug	27	38	panies form joint venture to build fertilizer			40	recognition	Oct	29	34
				plant in Argentina N	NO	19	40				

Debugget Technology Heirwal's plactice				DT7 Interphens have experiently region				Chin transferrent annel rate agest a group alour			
Polycast Technology — Uniroyal's plastics segment to be bought	July	30	7	RTZ — Interchem buys specialty resins and water-soluble polymers busi-	huba d	22	21	Skin-treatment products cast a rosy glow (tables)	Dec :	24	18
Acquisition of Uniroyal's plastic divi- sion is a big gain for Polycast (chart)	Aug	6	16	nessesR Raiston Purina — UC completes battery	July :		21	waste litigation: The expanding liability			
Polycol PVC — Acquired by Atochem . R Polygen — Advanced computer system:	Dec	3	15	Raiston Purina — UC completes battery business sale	July	9	23	net	Oct	29	14
Polygen teams up with Stellar Compu-				chemicals hold	July :	30	18	Supreme Court ruling	Oct	15	48
terN Molecular modeling system, HydraNP	Nov	26	16 34	Raman at World Chemical Congress: Is				Hobins, Zelle, Larson & Kaplan — Bhopal			40
Polymer Composites — New polymers enter a competitive market: long-fiber	OCI	13	34	there an 'identity' crisis in the chem- ical industry?	Sept :	24	65	Rochester Film — Microfilm business will	Sept	17	15
enter a competitive market: long-fiber PPS resin; joint venture to produce nylon-				Haman comments on Hercules new line-	Dec		9	be shut down	Oct	15	10
6/6 stock shapes	Oct	15	10	Rauch, James A. — Coatings '86 — report	Dec	17	9	Rockwell Hanford Operations — Truex sol- vent extraction process: A process to			
Polymer Corp. — Morton Thiokol com-	Aug	6	20	(charts & tables)	Oct	22	30	downsize nuclear wastes	Dec	24	30
pletes acquisition	Aug	0	20	tors see under name				Rogers & Associates Engineering — NTIS sale to private industry greeted with dis-			
Polymer Technologies Inc., a for-profit	Aug	27	16	Recon Associates — Polymer-based nail	A	10	04	may (chart)	July	23	16
subsidiary	Aug			polish NP Reebie Associates — Ainsworth comments	Aug	13	31	may (chart) Rohm and Haas — Acrylic acid capacity expands worldwide (chart)	Oct	15	6
making plant planned R	Sept	3	17	on Union Pacific's site finder service	Dan	04	- 7	Acquisition of Supelco will strengthen			
A plastics makers plans for films: Stock offering to help finance XF				(chart)	Dec	24	7	position in high-value separations . N Coatings '86 — report (charts & tables)	July	9	5 30
film plant	Sept	10	11	is planned at Alberta stockpiles N	Aug	13	18	Company community relations: Facing			
forms PTI, a for-profit subsidiary	Aug	27	16	Reheis Chemical — White, Philip I., chair- man, president and CEO: The Reheis				up to the new challenge	July	16	28
Polyplastics — Acetal joint venture: Celanese and Diacel	Sept		10	LBO is 'a dream come true'	July	2	38	modelingN	Aug		41
Polysar — Sales and earnings: six-months				Reichhold Chemicals — BTL Industries completes acquisition of specialty				Duolite plant must be sold N Opaque Polymers: encapsulation tech-	Nov	19	66
'86 N Nine-month results N	Aug	13	28 21	phenolics operations	July	9	23	nology for latex paint	Sept	3	45
Specialty elastomers to be manufactured				Commodity swings rock U.S. naval stores (chart)	Oct	1	37	Plaskon Electronic Materials see under name			
at site in North America	Oct	8	15	Emulsion Polymers Div. licenses tech-		10		Plexiglas acrylic sheet will be produced	Mari	00	
Color and Chemicals Mfg R	Nov	26	15	nology to China	Aug	13	14	in Mexican plant N Sales and earnings: second quarter N	Nov		5
Power Recovery Systems — Gasification				off for a Reichhold unit		30	37	Third quarter	Oct	22	5
technology has record-low level for emissions; Derry, N.H. contract for				General Coatings Products unit formed . R Plasticizers and specialty esters prices . N	Nov	5	14	to resist caterpillars will be field-			
waste-to-energy facility N Prayne; Joseph — Coatings '86 — report:	Sept	3	34	Purchasing managers extend their reach	Aug	27	50	tested	Sept		34
radiation curables	Oct		46	Sales and earnings: second quarter N July 2-7	Aug	6	5	Wilson, J. Lawrence, new chairman-	Sept	10	- 1
Predicasts — PTS: On-line data bases Primex Ltd. — Chemical companies (16)	Sept	1 24	6	Tall-oil venture with Hercules N	Aug	13	5	designeeN Rollins Environmental Services — Hazard-	Dec	10	5
set up their own insurance firm N	July	9	5	Terpene-phenolics capacity to be doubledN	Sept	10	5	ous waste management: New rules are			
Prince George's County (Md.) Fire Dept. — Testing CHEMTREC's HIT system	Sepi	1 17	19	U.S. specialty ester business may be				changing the game — report (charts) Eight companies on the fast track	Aug	20	26
Process Management Enterprises — U.S.				sold to Denka Chemical N Reilly Tar & Chemical — Agreement filed	Aug	13	5	Roquette Freres — Sorbitol dumping probe:	Aug		28
representative for Ammonia Casale N Procter & Gamble — EPA gets tough on	Aug	6	41	to settle out of court charges of violating				ITA findings	Sept	3	17
paint ethers	Aug	13	12	Superfund and RCRA brought by St. Louis Park	Aug	13	16	stock: 9.5% equity sold N	Sept	10	5
Skin-treatment products	Dec	24	21	Park	Oct		30	Rose, Martha C. Chemicals — Holden, Mo. plant: A small town's problem spurs call			
 Philippines pushes for ban on use of 				(charts & tables)	Sept		12	for big changes in PCB legislation	Sept	17	8
AB sulfonates: Synthetics vs. coconut derivatives	Oct	1	36	Research Corp. — Chemicals that change their color: polymerized electrochromic				Rosemont — Standards for digital instru- ments	Oct	20	28
Progenics — DHEA's many promises move				compounds (chart)	Oct	8	29	Rothschild Biotechnology - Microbes to			
Projectina — Acquired by Economics	Dec	10	36	Research Polymers International — Dexter Corp. acquiring company	Sept	17	19	Rothschild Ventures — Microbes to the	Oct	29	40
Laboratory	Sep	t 17	19	Resicoat Beschichtungspulver — DSM				rescue	Oct	29	40
plant will be restarted by a joint ven-				plans acquisition	July	23	45	Royal Dutch/Shell — Joint venture with Gist-Brocades discussed	Dec	17	71
ture N	Sep	t 17	32	Latin America	Aug	20	77	Royal Trust Co. — Buys Dow Financial			
TDI production to be boosted N ProsysTech — Dynamic simulation takes	Nov	5	32	Revion — Skin-treatment products cast a rosy glow (tables)	Dec	24	18	Services Corp. Rozzi's Famous Fireworks — Chemicals	July	23	49
over from steady state: software sys-	Dan	40	00	Reynolds — Can two-way deals firm				help rejuvenate Miss Liberty: A flashy	6.60	0	40
temN Provesta — Low-salt flavors synthesis. NP		10	20 31	aluminum prices?	Oct	22	21	Fourth of July	July	2	19
Prudential-Bache Securities — McMillin				shareholding in stock of Du Pont Ven-	tion.	00	04	juvenate Miss Liberty: A flashy Fourth	laulau	2	10
comments on Borden's latest moves to product orientation	July	9	16	tures	July		21	of July	July	2	19
Public Citizen — Daminozide under attack	luhe	16	40	BrazilN	Nov	19	40	suppliers wait out hard times (chart)	Aug	13	36
Methylene chloride use in decaffeinat-	July	10	40	Brazilian aspirin dispute with Carbonor settled	Oct	1	36	Rutland Plastics — Acquisition by Dexter Corp	Dec	17	15
ing coffee under attack: suit against FDA and HHS	July	2	44	Polyester film plant to be built in Brazil . N Rhône-Poulenc — Acquires German drug	July	16	33	Ryoka Light Metals Industries — Loan write-off	Sept	10	37
Public Service of Colorado — Dry scrub-	outy	-		maker, NattermannN	Oct	15	33	***************************************	oop.		
bing system to be installed at Cherokee station	.hulv	30	22	Bigger roles in Brazil and Japan: re- organizing agrichemical activities in				C			
station				Japan; buying Upjohn do Brasil N Ceramics activities expanded N	Dec	24	5	3			
to Rhône-Poulenc Research Center N Rhône-Poulenc's U.S. strategy	Nov	15	32 10	Ceramics activities expanded N Fourtou faces denationalization	Nov July	30	32 12				
Pyropower — Fluidized-bed boiler for Air				French chemical producers test a busi-				SCM Chemicals — TiO ₂ plant converted	la de c	20	36
Products' cogeneration project N Solid fuel cogeneration joint venture	Nov	5	26	ness formula (table)	Dec	6	18 36	to the chloride process	July	30	30
with Air ProductsN Pyro-Spectaculars — Chemicals help re-	Aug	13	30	Management changes N	Sept	24	54	USA			
juvenate Miss Liberty: A flashy Fourth				Reorganizes research activities; changes name of Purification Engineering to				SDS Biotech — Completes tender offer for 51% of TechAmerica R	Aug	13	16
of July	July	2	19	Rhone-Poulenc Research Center N	Nov	5	32	SIAB — Swedish know-how for an East			20
				Restructuring: Two moves being con- sidered	Sept	10	37	SMC Specialty Chemicals - Filling fluoro-	Aug	13	28
Q				Rhône-Poulenc's U.S. strategy: pur-				plastics niches — Letter	Nov		48
•				chases Monsanto's vanillin business Sweeter prices for EC carbohydrates	Oct Nov		8 54	Ethylene and PE tabs: A tenuous link?			
Quaker Chemical — Chemical companies				UC's ag business to be acquired	Nov		22	(chart)	Nov	12	36 6
set up their own insurance firm N	July	9	5	Venturing entices chemical makers (chart)	Nov	12	23	LLDPE demand should keep rising N	Aug	27	57
Quantum Enterprises — Brennan discusses	-			(chart)	-			PBZ: A class of polymers unto itself Superpolymers, PBZ	Dec	10	16
plastics in construction: For chemicals, repairs cushion the housing drop (charts)	Oct	22	7	control in corn: research agreement with Molecular GeneticsR	July	30	19	ST Services — Everything's on hold in			
				Joint venture with Callahan Enterprises in herbicide-resistant plants N	_		5	chemical storage	Sept	3	46
D				Rhône-Poulenc Research Center - New	Dec			filament plant with Du Pont N	Aug	6	36
n				name of Purification Engineering N Ribi ImmunoChem Research — Patent	Nov	5	32	Sackner Products — Composite for auto- motive use	Dec	10	31
				allowance covering the use of MPL to				Sage Data — Ethylene and PE tabs: A			
RBI International Carpet Consultants — Burnett: For chemicals, repairs cushion				inhibit acute radiation syndrome	July	16	22	tenuous link? (chart)	Nov	12	36
the housing drop (charts)	Oct	22	7	granted				duction pact N		16	22
RJR Nabisco — Envirodyne Industries to buy Filmco Domestic and Filmco Inter-				for medical packaging	Oct	15	11	Repligen's enzymes for pulping wood . Salgema Industrias Quimicas — Caustic	Sep		12
national units	Oct	29	5	acquisition by Ashland Oil delayed N	July	16	5	soda expansion planned N	Oct	8	28

Salsbury Laboratories - Marketing serv-				VCM: Monomer producers fight for higher				Spectrum Group — Chesebrough-Pond's			
ices of custom manufacturing unit ex-					Nov	12	9	plan's acquisition N Oct 1-5, R	Oct	29	17
panded and name changed to Salsbury	0-1	45	40	Shell Chemicals U.K. — U.K. chemicals:				Sprout-Waldron — Acquired by Combus-	A	10	4.4
Chemicals	Oct	15	16	In the shadow of the oil price decline	Sept	3	30	tion EngineeringR Stake Technology — Biomass process wins	Aug	13	14
battery for powering carsN	Dec	24	24	(chart & table)	oopt	0		first commercial customers N Staley, A.E. Manufacturing — Ethylex	Aug	27	38
Graham and Boslough comment on KMS				line	Oct	29	46	Staley, A.E. Manufacturing — Ethylex			
Fusion's controlled explosions Hot acid cuts NO _x from exhaust:	Oct	1	29	Ethylene and PE tabs: A tenuous link? (chart)	Nov	12	36	starch capacity expansion at Decatur	Aug	13	16
RAPRENOx process uses heated				Sherex — Skin-treatment products	Dec	24	21	corn refining plant			
cyanuric acid X-ray microanalyzer NP	Dec	24	10	Sherwin-Williams — Coatings '86 — report	0	00	00	Oil v. American Cvanamid	Dec	24	15
Sandoz — Clinical trials for colony stimu-	Sept	17 -	34	(charts & tables)	Oct	22	30	Divestiture: Dorr-Oliver, Pfaudler, Elec- tro-Minerals and Proppants to be			
lating factorN	Aug	27	38	Shirco Infrared Systems — Hazardous				sold	July	9	23
Herbicides: Monsanto and Sandoz team			-	waste management report: Technology				Standard Oil Chemical — Butane may			
up in herbicidesN	July	23	7	Mobile treatment	Aug	20	60	make Reppe chemicals: contract with	Doo	10	20
Insecticide output in Switzerland to be	Nov	26	21	Shiseido — Hyaluronic acid: Skin-treat-	Dec	24	21	Davy to study facility	Dec	10	20
reduced N Lipid X: New drugs to fight septic shock	Dec	3	44	ment products Shorell, Irma — Skin-treatment products	200			tutes butane for acetylene: Sohio			
Repligen's enzymes for pulping wood .	Sept	3	12	cast a rosy glow (tables)	Dec	24	18	explores butane uses	Dec		9
Rhine River pollution watch: Switzerland and Sandoz accept responsibility for				Showa Denko — Rhône-Poulenc setting up specialized agrichemical marketing				NH ₃ draws a crowd (chart & tables) P.T. Standard Toyo Polymer — Indonesian	July	23	26
contamination	Nov	19	20	armN	Dec	24	5	PVC production to be increased N	Sept	17	32
Rhine spills trigger changes in Ger-	-			arm N Siegel & Gale — The chemistry of a cor-		00		Stanford Research Institute — Old know-	A	07	00
manyN More reactionN	Dec	17	43 71	porate name change	July	23	41	how is tapped for new fertilizer units Starck Berlin, Hermann C. — Acquired by	Aug	21	60
More reaction N Sales and earnings: first-half '86 N	Aug	8	36	meet rising demand	Aug	13	6	BayerN	Nov	5	32
				meet rising demand				Bayer			
tion of proposed merger of Atchison Topeka and Santa Fe and Southern				Silicon Graphics — Molecular modeling	Sept	17	34	Group of Chesebrough-Pond's would be up for sale if parent company is ac-			
Pacific will be contested N	Aug	13	40	sion NP Silicon Graphics — Molecular modeling system NP	Oct	15	34	quired by American BrandsN	Dec	3	5
ICC asked to reopen rejected				Simcon — Process simulators give im-				Corn and sovbean herbicides: poorer			
merger N Sanyo Chemical Industries — Urethane	Sept	10	48	proved training, plus	Oct	22	24	prospects N Stauffer Seeds — Chesebrough-Pond's	Oct	15	25
coatings being imported from West				Simmons, Harold — NL takes stock in its chemicals: chemicals segment spinoff				wants to sell	Nov	12	5
GermanyN Sanyo Electric — Electric car powered	Sept	24	54	to thwart a takeover	July	23	16	wants to sell			
Sanyo Electric — Electric car powered				NL Industries begins its chemical spin-		00	-	study performed to EPAI: results	Nov	26	106
entirely by amorphous solar cells un- veiledN	Oct	1	26	off	July	30	7	Mitsui awards contract for polypropylene plant	Aug	6	20
Saudi Basic Industries Corp. — K'86:	001		20	over measure struck down by				New entries vie in chlorine technology			
Europe's resin makers enjoy an upbeat				federal judge in N.Y N	Aug	13	5	(chart)	Aug	13	22
mood	Nov Sept		8 37	Takeover battle ends in a pact N Sinclair Paints — Coatings '86 — report	Aug	20	5	United Engineers will acquire certain	Sept	24	22
Sales and earnings, first-half '86: Profits	oopi	10	01	(charts & tables)	Oct	22	30	operations			
riseN	Sept	24	54	SinoKellogg — Joint venture awarded two					Dec	10	18
Saudi Yanbu Petrochemical — Operations	Sont	10	37	contracts	Dec	24	34	Steel Paint GmbH — Japan importing ure-	Sept	24	54
fully onstream	Sept	10	31	will build PF plant N	Sept	24	54	thane coatings N Stellar Computer — Advanced computer	ocpi	27	54
basal cell carcinomas N Schlictman, Conway & Crowley — Eller	Sept	17	21	will build PE plant	oopt		04	system: Stellar teams up with Polygen N	Nov	26	16
Schlictman, Conway & Crowley — Eller	0-4	0	00	management: New rules are changing				Stepan — Higher dividends additional	Nov	20	
Schulman, A. — Schulman: A timely	Oct	8	20	the game — report (chartsw) Eight companies on the fast track	Aug	20	26 28	shares planned	NOV	26	5
switch to plastics (chart)	July	9	34	Sloan-Kettering Cancer Center — Pasternak			20	Onlyx to be bought	July	30	7
— Correction	Aug	6	20	comments on cold cure research	Sept	24	52	Sterling Cjemicals — LBO of Monsanto's			
Schuylkill Energy Resources — Cogenera- tion plant: culm-fired, circulating fluidized-				Smithkline Beckman — Cardiovascular drugs: collaboration with Boehringer				petrochemical complex at Texas City, Tex. near	July	2	7
bed boilers N	Nov	26	16	MannheimN	Dec	24	24	Methanol plant at Texas City will be	,		
Schwarzhaupt — Sterling Drug acquires				Malaria vaccine: Rifkin attack could halt				shuttered	Aug	6	24
prescription pharmaceutical product	Dec	17	15	important vaccine studies N	Sept	10	48	Purchase of Texas City, Tex. plant completed; BP Chemical Americas			
Science Temps — Chemist temporaries:				SmithKline Biologicals — Markets an r-DNA hepatitis B vaccine	Dec	10	20	will market output from acetic acid			
Now you can 'rent a chemist'	Aug	20	24	Smith Kline & French Laboratories - Kam-				plant R President Waggoner sings praises of	Aug	13	16
Scott Paper — Biopulping: Wisconsin re- searchers court papermakers for a				holz gives good reviews to Modar waste	0-4		40	President Waggoner sings praises of	Aug	27	16
consortium	Nov	5	10	SmithKline-RIT — Licensing agreement	Oct	1	43	Styrene prices push up a notch	Sept	3	9
Scripps Clinic and Research Foundation —				with Institut Pasteur for hepatitis B vac-				Sterling Drug — Acquires the prescription			
Interferon destroys basal cell carci-	Sept	17	21	cine	Nov	5	14	pharmaceutical product line of Schwarz-	Dec	17	15
nomas N SeaClean — Hazardous waste manage-	oopi		4.1	mars a vintage year (charts & table)	Oct	8	22	haupt	200		10
ment: New rules are changing the game				A strong showing for Italy's fiber	000	0	do-fa	cold	Sept	24	49
report (charts) Disposal costs	Aug	20	26 39	makers	Oct	8	25	Hilton-Davis Chemical sold to private	Oct	20	5
Secretario Especial do Meio Ambiente —	Aug	20	33	Société d'Analyse Financière et Économique — Stam comments on Rhône-Poulenc's				investor, Philip E. Kamins N Stock repurchase plan launched N	Nov		5
Environmental chief, Paulo Nogeiro Neto.				denationalization	July	30	12	Sterling Grace — Hexcel: comments by Obolensky and Cherashore			
resigns N Seibu Öil — Membrane takes on hydrogen	July	30	29	SIR — Italy's chemical trade deficit mars				Obolensky and Cherashore	July	23	12
recovery	Aug	20	73	a vintage year (charts & table)	Oct	8	22	Sterling-Winthrop Research Institute — In hot pursuit of a cure for the cold	Sept	24	49
Sentry — Hazardous waste management				pact	July	16	22	Storm, Van Bentem & Kluyver - Grace			
report: Technology — Mobile treatment Separations Technology Co. — Lancy In-	Aug	20	58	pact				acquires European coatings company. N	Aug	27	7
ternational division unveils bioseeder/				technology	Nov	5	26	Strategic Analysis Europe — Hickey at Hel- sinki conference: Finnish producers go			
culture acclimator NP	Oct	15	34	Sonoco Products — Boise Cascade con-	Oct	15	21	global	Nov	19	18
Separex — Acquired by Air Products and	0-4		-	sumer packaging division to be pur-				Strategic Analysis Inc. — Pinning down a			
Chemicals N Seragen — Eicosancid product line to be	Oct	1	5	chased	Dec	24	34	global marketing strategy: comments	Oct	1	30
bought by Advanced Magnetics R	Nov	26	15	Chemicals purchases oil field chemicals				by Ramsey	OCI	,	30
Shairco — Crystal Pigment formed to build				business	Sept	10	15	rejuvenate Miss Liberty	July	2	18
TiO ₂ plant in Saudi Arabia	Oct	22	60	South Coast Terminals — Everything's on				Sumitomo Aluminum Smelting — Sales	A	00	07
Chinese herbs as a source of pharma-				nois in chemical storage	Sept	3	46	and earnings: first-half '86	Aug	20	67
ceuticalsN	Aug	13	30	Southern California Edison — Battery power plant	July	30	22	Composites bite into new applications .	Aug	27	44
Shearson Lehman American Express —				Southern Electric International — Contract				BIOCES: protein engineering system N	July	23	50
Skin-treatment products cast a rosy glow (tables)	Dec	24	18	from Derry, N.H. for waste-to-energy				Joint venture, Nippon Aramid Yugen Kaisha to market Enka's Twaron ara-			
Shell Chemical — Automated solvents				facility using Power Recovery's gasifica- tion technology N	Sept	3	34	mid fibers in Japan N	Dec	24	5
terminal opened in Carson, Calif N	Oct		24	tion technology N Southern Pacific — Santa Fe will contest				Milk substitute from sunflower seeds. NP	Nov	12	44
Butanol makers tighten prices	Oct	17	7 56	ICC's rejection of proposed merger N	Aug	13	40	New route to meta-aminophenol N	Aug	20	73 67
Hazardous waste management: New			00	ICC asked to reopen rejected merger	Sept	10	48	Sales and earnings: first-half '86 N Thinner films NP	Sept	17	34
rules are changing the game — report			00	Southwest Research Institute — In a fire,	Jept	10	40	Sumitomo Pharmaceuticals — BIOCES:			
(charts)	Aug	20	26 39	worry less about HCl than about CO . N	July	23	50	protein engineering systemN Sun Chemical — Chromalloy American	July	23	50
Higher olefins gets a capacity boost	Dec	20	14	New technique to study fluidized beds . N Space industries — Westinghouse joins	Nov	19	25	Sun Chemical — Chromalloy American merger proposal N	July	16	5
LNG projectionsR	Sep	t 3	17	to construct first Industrial Space Facil-				Merger agreement subject to com-		-	-
Phenol prices	Dec	17	56	ity	Oct	8	21	plation of graphic arts operation's	Cart	17	7
aging (table)	Oct	15	38	Specialty Systems — NMP: Paint strippers to replace methylene chloride; Safer,				Sale to Dainippon N Chromalloy merger terms changed . R	Sept	3	15
aging (table)		-		but will they cost more?	Oct	1	12	Dainippon Ink and Chemicals takeover			
Key trends chemical marketers				SpecialtyChem Products — ChemDesign:	301			bid: Sun resists a takeover by DIC	July	2	9
watched — More acquisitions; More marketing	1	nt 24	12	A recession baby's success story	Oct	22	76	Discussions continue N July 16-5, N	July	23	7

Sun finally agrees to sell graphic arts business to Dainippon for \$550 mil-				Polycarbonate resin producers cash in on CDs	Oct	8	8	Trunkline Gas — Cheaper gas in line for			
lion	Aug	27	14	Sales and earnings: six-month period				Texas? Tunnell, K.W. — Purchasing managers	Aug	13	8
Sun Refining and Marketing — Microbes to the rescue: Hazardous waste biotreat- ment fights for recognition	Oct	29	34	'86 N Teijin-Hercules Chemical — Teijin acquires Hercules' share of DMT venture N	Nov		40 33	Tuscarora Plastics — GM plant closings	Aug		50
Sun Styrene — PS plant due onstream in Nov N	Oct		28	Teknowledge — A 'smart' way to assess risk: software	Dec		20	O'Leary comments	Nov	19	11
Sunohio — Hazardous waste management report: Technology — Mobile treatment	Aug	20	58	Tenneco — Great Plains goes on — and off — the block	July	9	66				
VOCX system curbs VOC emissions in spray-painting operations NP	Sept		34	Tennessee Gas Pipeline — Cheaper gas in line for Texas?	Aug		8	U			
Sunwestern Investment Group — New owner of Charles H. Kline & Co.: An am-				FERC explores deals between gas pipe- lines, affiliates N Tenngasco — FERC explores deals between		3	54				
bitious new owner for a big consulting firm	Oct	22	5	Tenngasco — FERC explores deals between gas pipelines, affiliates	Dec	3	54	UCB — Electronics subsidiary, UCB Electronics, will be started	Oct	8	28
Supelco — Rohm and Haas will acquire companyN	July	9	5	Terrell — Fuller, H.B. purchases assets and business	July	23	21	UKF — Will be ordered to stop releasing			
Superfos — Asks for exemption from a ban on imports of South African phosphate . N	Aug	20	67	and business R Teweles, William & Co. — Kidd comments on Arco Seed sale N Texaco — Bond case: A crucial Supreme	July	30	7	cadmium into a Rhine River estuary . N USX Corp. — As steel falters, chemicals	Dec		31
Granted permission to import South African phosphate N Drops out of energy complex in	Aug	27	26	Court term for the chemical industry	Oct	8	6	hold. IEB formed	July July		18 19
SwedenN	Sept	17	32	Ethanol's viability fuels dispute	Oct		13	of a corporate name change	July	23	41
Kemira negotiating for fertilizer products division.	Dec	3	24	are on hold	July	23	45	Polypropylene prices N USS Chemicals: New name and inde-	Sept	10	17
division				Texas?	Aug	13	8	pendence; Aristech Chemical formed to which USX will spin off nearly all			
analysis	July	2	34	process control	Sept	10	38	assets of USS Chemicals N The newest name in chemicals: Aris-	Oct	22	5
suit against Cetus over interleukin-2 . N	Sept	3	5	meeting on the impact of mergers and		_	_	techN	Dec		5
Svenska Rayon — Rayon dumping probe: ITA findings	Sept	3	17	acquisitions Thagard Research — Hazardous waste	Nov	5	7	USX chemicals: More rumors than sales Ucar Emulsion Systems — PEP technology	Oct	15	7
ITA findings	Oct	29	17	management report: Technology — Mobile treatment	Aug	20	59	on a "laboratory basis"	Sept	3	45
ton Holdings		-		3M — Commercial Chemicals Div. split				technology	Oct		28
management: New rules are changing the game — report (charts)	Aug	20	26	into two new divisions	Oct	29	5	Ultramar Canada — Distilling lower from	Sept	3	10
Industry issues	Aug	20	39	Brennan of Sears, Roebuck and Smith of GM	July	2	28	Gulf's old refinery to be sold to Phenolo- montN	Aug	27	26
with Matec's Alloy Surfaces for coat-	Sept	24	20	Hazardous waste management: New	,			Uniao de Industrias Petroquimicas — Brazil- ian companies vie for stakes in a build-			
Lubratuff coating scores high A	Aug	20	17	rules are changing the game — report (charts)	Aug	20	26	up: petrochemical complex proposed . N	Nov	19	40
Synertek — Characterization of polyimide physical properties N	July	9	61	Waste reduction is the way to go Metal vapor chemistry: High hopes	Aug	20 16	39 34	Petrochemical complex based on NGL proposed	Sept	3	18
physical properties N Syntex — Blood pressure drug, cardene				More fluoroplastics, more competition.	Oct	15	21	proposed			
nicardipine, to be marketed in the U.K N Diagnostic test for gonorrhea based on	July	23	50	OSHA sued over asbestos rules N OSHA taken to court on respirators . N	Aug	6	54 56	acquired Naarden comes under Unilever's wing . N	Dec		12 26
monoclonal antibodiesN	Sept	10	22	P-10 for dental applications: Composites bite into new applications	Aug	27	43	A nose for No. 1 in fragrances: acquisi- tion of Naarden International sought	Aug	27	15
Syntex Agribusiness — Missouri dioxin suits settled	Dec	17	15	Polymer blend research	July	16	6	Union Camp — Spent catalysts seek a rest- ing place	Dec		44
develop resins from potato starch	Nov	19	55	Polymerization opens doors for liposomes Signs up for space shuttle experiments. N	Aug	17	21	Tall oil rosin prices N Sept 24-62, N	Oct	1	24
				Ticona Polymerwerke — Celanese a part- ner with Hoechst in acetal plant	Sept	3	10	Union Carbide — Acrylic acid capacity expands worldwide (chart)	Oct		6
				Tiger Oats Ltd Acquires Diamond Sham-				Agricultural products business for sale	July	30	11
-				rock (Africa) Ltd. P. Doc 17.15	Dag	24	10				
T				rock (Africa) Ltd. R Dec 17-15,	Dec	24 19	13 18	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin-	Nov	19	22
Т				rock (Africa) Ltd. R Dec 17-15,		19		Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering		19	
T TCell Sciences — Biochemicals deal with Boehringer Mannheim Biochemicals				rock (Africa) Ltd. R Dec 17-15, Tikkurila — Finnish producers go global Toa Nenryo Kogyo — Carbon libers pilot plant Toho Rayon — BASF will license PAN tech-	Nov	19	18 26	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites	Nov	19	22
Boehringer Mannheim Biochemicals	Aug	13	14	rock (Africa) Ltd. R Dec 17-15, Tikkurila — Finnish producers go global Toa Nenryo Kogyo — Carbon libers pilot plant. Toho Rayon — BASF will license PAN tech- nology Japan's liber makers seek market alter	Nov Nov July	19 12 16	18 26 17	Rhône-Poulenc buys ag business . Amerchol unit: hyaluronic acid, skin- treatment products . Amoco's acquisition of engineering polymers and advanced composites businesses . Battery products business sale to Raiston	Nov Dec July	19 24 2	22 21 14
Boehringer Mannheim Biochemicals Div. R Therapeutic products research agreement with Pfizer N		13 t 10	14 22	rock (Africa) Ltd. R Dec 17-15. Tikkurila — Finnish producers go global Toa Nenryo Kogyo — Carbon fibers pilot plant Toho Rayon — BASF will license PAN tech- nology Japan's fiber makers seek market aller- natives (lable) Tokuyama Soda — China licenses mem-	Nov Nov July Oct	19 12 16 22	18 26 17 22	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- trealment products Amoco's acquisition of engineering polymers and advanced composites businesses. R Battery products business sale to Raiston Purina completed. R Bhooal, India, trapedy	Nov Dec July July	19 24 2 9	22 21 14 23
Boehringer Mannheim Biochemicals Div. R Therapeutic products research agree- ment with Pfizer. N TPC Business Research Group — Building codes come under fire.	Sep			rock (Africa) Ltd. R Dec 17-15, Tikkurila — Finnish producers go global Toa Nenryo Kogyo — Carbon libers pilot plant Toho Rayon — BASF will license PAN tech-	Nov Nov July	19 12 16 22	18 26 17 22 28	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. R Battery products business sale to Raiston Purina completed. R Bhopal, India, tragedy UC appeals one condition. R Carbide realleges sabotage	Nov Dec July July July Aug	19 24 2 9 16 20	22 21 14 23 15 13
Boehringer Mannheim Biochemicals Div. R Therapeulic products research agree- ment with Pitzer N TPC Business Research Group — Building codes come under fire. TVK Tisza Chemical Combinate — Hun-	Sep	t 10 9	22 22	rock (Africa) Ltd. R Dec 17-15, Tikkurila — Finnish producers go global . Toa Nenryo Kogyo — Carbon filbers pilot . N Toho Rayon — BASF will license PAN technology . Japan's liber makers seek market alternatives (table) . Tokuyama Soda — China licenses membrane cell technology . N Tokyo Gas — Zirconium oxide fuel cell bought from Westinahouse . N	Nov Nov July Oct	19 12 16 22	18 26 17 22	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. F. Battery products business sale to Raiston Purina completed. P. Bhopal, India, tragedy UC appeals one condition. F. Carbide realleges sabotage Bhopal lawsuit begins in India.	Nov Dec July July July	19 24 2 9 16 20	22 21 14 23 15
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Boehringer Mannheim Biochemicals Div. R Therapeutic products research agree- ment with Pitzer N TPC Business Research Group — Building codes come under fire. TVK Tisza Chemical Combinate — Hun- garian LLDPE plant is up and running. N Taconic Plastics — Chemicals heip reju- venate Miss Liberly: polyterfalluoro- ethylene (table). Tagas — Turkey will build fertilizer com- plex. Takeda Chemical Industries — Sales and earnings: fiscal '85. N Takeda Chemical Industries — Sales and earnings: fiscal '85. N Tate and Lyle — British Sugar purchase: Decision on the purchase of British Sugar is put off. N Tax Analysts — Lower corporate taxes for chemical companies. Taylor Instrument — Al tackles real-time process control. TechAmerica — SDS Biotech completes tender offer. Technical Insights — Molecular electronics. Carbon aims to dethrone silicon (dia- grams). Technicone International — America Cyanamid completes purchase of about 4%. Technip — Contracts for Venezuelan and Finnish plants that will use Stake proc- ess. N Technology Transfer Conferences — The U.S. shares its know-how FLC Links private and public research (map). Technology Unlimited — Liposome re- search: New paths for drug delivery. Technomics Consultants — Goldberg com- ments on Monsanto's Opet plastic. N Goldberg discusses plastic packaging:	Sep July Sep July July Nov Sep July Sep July July July July July July July Sep Sep De July Sep July Sep July Sep July Sep July Sep July Sep De July Sep July Sep July Sep July Sep July Sep July Sep Sep July Sep Sep Sep Sep Sep Sep Sep Sep Sep Sep	1 10 9 1 24 2 16 123 124 124 123 130 130 130 127 224	22 22 54 18 33 45 21 5 56 38 16 32 19 38	rock (Africa) Ltd. R Dec 17-15, Tikkurila – Fininsh producers go global Toa Nenryo Kogyo — Carbon filbers pilot plant. N Toho Rayon — BASF will license PAN technology . N Japan's liber makers seek market alternatives (table). Tokuyama Soda — China licenses membrane cell technology . N Tokyo Gas — Zirconlum oxide fuel cell bought from Westinghouse . N Toray Industries — Filaments that can generate heat: Toraytherm . N Japan's fiber makers seek market alternatives (table). Sales and earnings: fiscal '85 . N Six months '86 . N Toso Susteel — PPS base resin for Toyo Soda USA . N Total — Amorphous silicon production pact . N Toth Aluminum – Aluminum chloride sold to Grant Chemical: After 20 years, a customer for aluminum chloride . N Carbo-chlorination bears fruit Townsend, Phillip & Associates — Food packaging study. Toyo Soda USA — PPS compounds will be produced in the U.S N Torascontinental Gas Pipeline — Naturascontinental Gas Pipeline — Natural gas pipeline system will be linked to Houston L&P Cheaper gas in line for Texas? . Transgene — Argentina halts tests of bovine rables vaccine Policy hitches halt biotech tests.	Nov Nov July Oct July July Oct July Nov Oct July Sept Oct July Sept Oct July Sept Oct July Aug Sept Oct July Aug Sept Oct July Aug Sept Sept Sept Sept Sept Sept Sept Sept	19 12 16 22 22 30 2 22 23 11 19 22 16 17 8 15 23 17 22 9	18 26 17 22 28 22 22 24 45 40 60 22 21 42 39 50 32 60 66	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. F Battery products business sale to Raiston Purina completed. F Bhopal, India, tragedy UC appeals one condition. F Carbide realleges sabotage Bhopal lawsuit begins in India. Carbide realleges sabotage Bhopal lawsuit begins in India. Carbide asks for equal footing in the Bhopal case. M Why Carbide says it was a deliberate act' at Bhopal (diagram). The Bhopal case: Inching toward a resolution. N Bond buyback gets a warm reception. N Butanol capacity at Texas City to be doubled. N Butanol capacity at Texas City to be doubled. N Butanol makers tighten prices. Company community relations: Facing up to the new challenge. Electrical carbon business up for sale. N Effectical carbon business up to sale in Morgan Crucible. Susiness in the solid of the price of the solid of the sale. In Reference of the proper commerce of the sale. N Engineering thermopiastics: Change comes to the resins market (chart). In Hydren glycol prices. N A federal pies for high-purity silicon. N Fire salety of plastics improved with Ucarsili F Hist payment made for each of the rights in the company's stockholders in	Nov Dec July July Aug Seph Oct Nov Dec Oct Oct Oct Oct Oct Aug July Oct Aug	19 24 2 9 16 6 20 17 1 26 3 17 1 8 16 3 19 8 26 16 22 20 23 15	22 21 14 23 15 13 15 5 8 8 5 5 24 7 28 5 22 5 22 5 7 3 20 5 5 6 7 3 2 5 5 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
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Boehringer Mannheim Biochemicals Div	Sep July July July Nov Sep July Sep Aug July July July July July July Oct	t 10 9 1 t 24 2 16 23 16 10 13 13 1 30 1 27 24 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 3	22 22 54 18 33 45 56 38 16 32 19 38 12 26 7	rock (Africa) Ltd. R Dec 17-15, Tikkurila – Finnish producers go global Toa Nenryo Kogyo — Carbon filbers pilot plant. N Toho Rayon — BASF will license PAN technology . N Japan's liber makers seek market alternatives (table). Tokuyama Soda — China licenses membrane cell technology . N Tokyo Gas — Zirconium oxide fuel cell bought from Westinghouse . N Toray Industries — Filaments that can generate heat: Toraytherm . N Japan's filber makers seek market alternatives (table). Sales and earnings: fiscal '85 . N Six months '86 . N Toso Susteel — PPS base resin for Toyo Soda USA . N Total — Amorphous silicon production pact . M Toray Industries — R Landing State of the Carbon Choirnation bears fruit Townsend, Phillip & Associates — Food packaging study. Toyo Engineering — East Germany's PCK (first client for HSC process . N Toyo Soda USA — PPS compounds will be produced in the U.S N Transcontinental Gas Pipeline see under name . Transcontinental Gas Pipeline of Pipeline . Natural das pipeline system will be linked to Houston L&P Cheaper gas in line for Texas? . Transgene — Argentina halts	Nov Nov July Oct July July Oct July Sept Oct July Sept Oct July Sept Oct July Sept Oct July Aug Sept Oct July Doct July Nov Nov Sept Sept Sept Sept Sept Sept Sept Sept	19 12 16 22 22 30 2 22 23 19 22 16 17 8 15 23 17 22 9	18 26 17 22 28 22 22 24 40 60 22 21 42 39 50 32 60 66	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. F. Battery products business sale to Raiston Purina completed. R. Bhopal, India, tragedy UC appeals one condition. R. Carbide realleges sabotage. Bhopal lawsuit begins in India. Carbide realleges sabotage. Bhopal lawsuit begins in India. Carbide asks for equal footing in the Bhopal case. Mythy Carbide says it was 'a deliberate act' at Bhopal (diagram). The Bhopal case: Inching toward a resolution. Bond buyback gets a warm reception. N. Bond buyback gets a warm reception. N. Butanol capacity at Texas City to doubled. N. Butanol makers tighten prices. Company community relations: Facing up to the new challenge. Electrical carbon business up for sale. N. Electrical carbon business up for sale on the Morgan Crucible. Filectronic components business up for sale. N. Engineering thermoplastics: Change comes to the resins market (chart). Ethylene glycol prices. N. A federal plea for high-purity silicon. N. Fire safety of plastics improved with Ucarsii FR. GAF and Carbide opt for peaceful co- existence. N. Hazardous waste management: New rules are changing the game — report (charts). Waste reduction is the way to go. — Correction Interest costs to be slashed to finance buyback. Kennedy, Robert D., president Kennedy's plan is to 'simplify' Carbide Linde Div. Chemicals help rejuvenate	Nov Dec July July Aug Sepilo Cot Oct Oct Out July Sepilo Cot Aug July Oct Aug Sepilo Cot Oct Oct Oct Oct Oct Oct Oct Oct Oct Oc	19 24 2 9 16 20 17 1 26 3 17 1 8 16 3 19 8 26 16 22 20 23 15 20 23 15 20 29	22 21 14 23 15 13 15 5 8 8 5 5 24 7 28 5 22 5 22 5 73 20 5 5 5 6 7 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
Boehringer Mannheim Biochemicals Div	Sep July July July July Sep Aug July July July Oct Aug	t 10 9 t 24 2 16 23 12 24 10 13 13 27 26 24 13 30 15 15 13	22 22 54 18 33 45 56 38 16 32 19 38 12 26 7	rock (Africa) Ltd. R Dec 17-15, Tikkurila — Finnish producers go global Toa Nenryo Kogyo — Carbon libers pilot plant	Nov Nov July Oct Oct July Nov Oct July Sept Oct July Sept July Sept July Sept Oct July Sept Oct July Oct July Nov Oct July Nov Oct July Nov Oct July Nov Oct July Nov Oct July Sept July Oct July Sept July Oct July Sept July Oct July Sept July Oct July Sept	19 12 16 22 23 30 2 22 23 19 22 16 17 8 15 23 17 22 9	18 26 17 22 28 22 22 45 40 60 22 21 42 39 50 66 66 8 14 44	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. F Battery products business sale to Raiston Purina completed R Bhopal, India, tragedy UC appeals one condition. F Carbide realleges sabotage. Bhopal lawsuit begins in India. Carbide realleges sabotage. Bhopal lawsuit begins in India. Carbide asks for equal footing in the Bhopal case. N Why Carbide says it was 'a deliberate act' at Bhopal (diagram). The Bhopal case: Inching toward a resolution. N Bond buyback gets a warm reception. N Butanol capacity at Texas City to be doubled. N Butanol makers tighten prices. Company community relations: Facing up to the new challenge. Electrical carbon business up for sale. N Electrical carbon business up for sale ones to the resins market (chart). Ethylene glycol prices. N A federal piea for high-purity silicon. N Fire safety of plastics: mproved with Ucarsil FR GAP and Carbide opt for peaceful co- existence. N Hazardous waste management: New rules are changing the game—report (charts). Waste reduction is the way to go — Correction Interest costs to be slashed to finance buyback. No entered the pilot of the company is to simplify Carbide Linde Div. Chemicals help rejuvenate Miss Liberty— liquid nitrogen (fable blinde Div.; Industrial gases plant et Linde Div.; Industrial gases plant et	Nov Dec July July Aug Sepilor Nov Oct Aug July Oct Aug July Oct Aug July Oct Oct July	19 24 2 9 16 20 17 1 26 3 17 1 8 16 3 19 8 26 16 22 20 23 15 20 23 15 20 20 23 20 23 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20	22 21 14 23 15 13 15 5 8 8 5 5 22 5 22 5 22 5 22 5 73 20 5 5 5 6 7 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
Boehringer Mannheim Biochemicals Div. R Therapeutic products research agree- ment with Pitzer N TPC Business Research Group — Building codes come under fire. TVK Tisza Chemical Combinate — Hun- garian LLDPE plant is up and running. N Taconic Plastics — Chemicals heip reju- venate Miss Liberty: polyterfalluoro- ethylene (table) Tagas — Turkey will build fertilizer com- plex Takeda Chemical Industries — Sales and earnings: fiscal '85 — N Takeda Chemical Industries — Sales and earnings: fiscal '85 — N Tale and Lyle — British Sugar purchase: Decision on the purchase of British Sugar is put off — N Tau Aboratories — Acquired by Du Pont N Tax Analysts — Lower corporate taxes for chemical companies Taylor Instrument — Al tackles real-time process control. TechAmerica — SDS Biotech completes tender offer . Technical Insights — Molecular electronics. Carbon aims to dethrone silicon (dia- grams) Technicone International — American Cyanamid completes purchase of about 4 % Technip — Contracts for Venezuelan and Finnish plants that will use Stake proc- ess. Trachicone Unimited — Liposome re- search: New paths for drug delivery. Technology Unlimited — Liposome re- search: New paths for drug delivery. Technonics Consultants — Goldberg com- ments on Monsanto's Opet plastic. N Goldberg discusses plastic packaging; Potential outruns profits in plastic packaging (table).	Sep July July July July Sep July July July Aug Dec July July Oct	t 10 9 1 t 24 2 16 23 16 10 13 13 1 30 1 27 24 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 3	22 22 54 18 33 45 56 38 16 32 19 38 12 26 7	rock (Africa) Ltd. R Dec 17-15, Tikkurila – Finnish producers go global Toa Nenryo Kogyo — Carbon filbers pilot plant. N Toho Rayon — BASF will license PAN technology . N Japan's liber makers seek market alternatives (table). Tokuyama Soda — China licenses membrane cell technology . N Tokyo Gas — Zirconium oxide fuel cell bought from Westinghouse . N Toray Industries — Filaments that can generate heat: Toraytherm . N Japan's filber makers seek market alternatives (table). Sales and earnings: fiscal '85 . N Six months '86 . N Toso Susteel — PPS base resin for Toyo Soda USA . N Total — Amorphous silicon production pact . M Toray Industries — R Landing State of the Carbon Choirnation bears fruit Townsend, Phillip & Associates — Food packaging study. Toyo Engineering — East Germany's PCK (first client for HSC process . N Toyo Soda USA — PPS compounds will be produced in the U.S N Transcontinental Gas Pipeline see under name . Transcontinental Gas Pipeline of Pipeline . Natural das pipeline system will be linked to Houston L&P Cheaper gas in line for Texas? . Transgene — Argentina halts	Nov Nov July Oct Oct July Nov Oct July Sept Oct July Sept July Sept Oct July Sept Oct July Sept Oct July Nov Oct July Nov Oct July Nov Oct July Nov Oct July Nov Oct July Sept J	19 12 16 22 23 30 2 22 23 19 22 16 17 8 15 23 17 22 9	18 26 17 22 28 22 22 22 24 40 60 22 21 42 39 50 32 60 66	Rhône-Poulenc buys ag business Amerchol unit: hyaluronic acid, skin- treatment products Amoco's acquisition of engineering polymers and advanced composites businesses. R Battery products business sale to Raiston Purina completed. R Bhopal, India, tragedy UC appeals one condition. R Carbide realleges sabotage Bhopal lawsuit begins in India. Carbide realleges sabotage Bhopal lawsuit begins in India. Carbide asks for equal footing in the Bhopal case. M Why Carbide says it was a deliberate act' at Bhopal (diagram). The Bhopal case: Inching toward a resolution. N Bond buyback gets a warm reception. N Butanol capacity at Texas City to be doubted. N Butanol capacity at Texas City to be doubted. N Butanol makers tighten prices. Company community relations: Facing up to the new challenge Electrical carbon business up to sale. N Electrical carbon business up to sale of the resins susiness up to sale. S Electronic components business up to Sale. Sile. Service of the resins and the sale of the resins and the sale of the population. N Fire safety of plastics improved with Ucarsii R Alexardous waste management. Ne Hazardous waste management. N	Nov Dec July July Aug Sepilo Cot Oct Oct Out July Sepilo Cot Aug July Oct Aug Sepilo Cot Oct Oct Oct Oct Oct Oct Oct Oct Oct Oc	19 24 2 9 16 20 17 1 26 3 17 1 8 26 16 22 20 23 15 20 23 15 20 20 23 22 29	22 21 14 23 15 13 15 5 8 8 5 5 22 5 22 5 22 5 22 5 22 5 7 3 20 5 5 5 5 5 5 6 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8

OSHA proposes fines for record Reaping violations at South Charleston,				Polyarylate for Sumitomo NP Univar — McKesson Chemical to be ac-	Sept	17	34	Weirton Steel — Clean-coal project: More dollars for coal projects.	Aug	6	12
W.Va. and Linde Div. West Mifflin, Pa.	Sept 2	4	74	quired: Univar makes a move for No. 1 (chart)	Oct	1	9	Weiss, Peck & Greer Venture Associates — IMC's Industry Group assets to be bought			
Polyethylene inches up a nickel (chart)	July 2	3	9	(chart). Universal Adsorbents inc. — Alcoa pur-				by C.P. Gallagher and Weiss, Peck &		_	
PE plant in Taiwan will use Unipol proc- essN	Oct 2	9	27	chases majority interest	Dec	24	5	Greer N Venturing entices chemical makers	July	9	5
Polymer blend research	July 1	6	6	Genetic conversion to improve the herd N	Nov	19	25	(chart)	Nov	12	23
Polyolefins Div. opens technology and operations center at Somerset, N.J R	Nov	5	14	Unocal — Coatings '86 — report (charts	Oct	22	30				
Process simulators give improved train-	MOA	5	14	& tables). New route to remove sulfur from process	OCI	22			Sept	17	32
ing plus	Oct 2	2	24	gases N	Nov	26	16	biotechnology N Wellcome Australia Ltd. — Field tests for			
Realigning its operations R	Oct 2 Nov	5	21	Steeman, Thomas B., president of the Chemicals Div.: Unocal's chemical				Electrofrac, electrical bug-killing and soil sterilization method	Nov	5	41
Sales and earnings: third-quarter '86. N Ternik pesticide: Paying the tab for clean		-	-	chief is cheerful in adversity	Aug	6	42	Wellcome Foundation — Joint venture with		-	
water; N.Y. considers limiting farmers	habe	2	13	Upjohn — Chinese herbs as a source of	Aug	12	30	Genetics Institute in biotechnology, WelGen Manufacturing	Cont	17	32
liability for groundwater contamination Union Carbide Canada — LaPalme, Andre	July	2	13	pharmaceuticals N Consortium aims to improve molecular	Aug	13	30	U.K. chemicals: In the shadow of the	Sept	11	32
will be new president of Petromont N		13	28	modelingN	Aug	6	41	oil price decline (chart & table)	Sept	3	30
Sales and earnings: first-half '86 N	Aug 2 Nov 1	20	67 26	Scientists study ancient herbs: Upjohn will analyze 10 medicinal compounds				Westinghouse — Coatings '86 — report (charts & tables)	Oct	22	30
Nine months N Union des Industries pour la Protection des		_		from China	Aug	20	16	First Industrial Space Facility will be con-			
Plantes — France fears a decline in pesticide salesN	July	2	31	from China	Dec	24	5	structedN Japan buys two zirconium oxide fuel	Oct	8	21
Union Explosivos Rio Tinto — Acquisitions:	July	-	01	ing Diaznan drug operation	500	24	•	cellsN	July	30	22
will take majority control of Nitratos de								Westinghouse Plasma Systems — Haz- ardous waste management report: Tech-			
Castilla; 25% share in Liquid Carbonic de España	Oct 2	22	28	V				nology — Mobile treatment	Aug	20	60
de EspañaN Union Oil — Chicago refinery amine strip-								westiake Polymers — Joint sales contract			40
ping vessel explosion in 1984: NBS in- vestigation finds potential hazards in				Valley Dehydrating - Arco unit up for				with Novacor Chemicals N Weston, Roy F. — Hazardous waste com-	Nov	5	40
amine stripping vessels N		8	21	sale	July	30	7	panies staff shortages: Hazardous waste			
NH ₃ draws a crowd (chart & tables)	July :	23	26	Valspar — Acquiring Enterprises Paint Div.	Dec	3	5	management report Technology: In situ bioreclamation	Aug	20	30 62
Union Pacific Railroad — Environmental permitting resource:, service for com-				of Insilco				Whittaker Corp. — Whittaker spares its	Aug	20	02
panies looking for plant sites (chart)	Dec	24	7	a rosy glow (tables)	Dec	24	20	chemicals: will sell off the rest of its			
Union Plastics — Acquired by Essex Chemical	Oct	15	16	Van Rostrand Reinhold — Chemtox: On-line data bases	Sepi	24	6	health and metal-fabricating businesses. Wicken Products — Polymer-based nail	Aug	20	10
Uniroyal - Daminozide, Alar, under				data bases				polish NP Wickes Co. — Takeover offer for Owens-	Aug	13	31
Uniroyal — Daminozide, Alar, under attack	July Sept	10	40 14	Cyanide safeguards	Oct	8	36 9	Corning Fiberglas N Aug 13-5, R	Aug	20	17
Liquidation plan okayed: chemical busi-	oopi			Varisco — Russian contract N	July	23	50	Williams Metals Industries — Rhône-	Aug	20	"
ness to be sold to Avery Inc.; tire				Veb Chemiekombinat — Swedish know-	Aug	12	28	Poulenc's U.S. strategy	Oct	15	10
operations to be melded with those of BF Goodrich N	July	9	5	how for chlorate unit	Aug	13	20	Windmill — Will be ordered to stop releas- ing cadmium into a Rhine River estuary. N	Dec	24	31
Plastics segment to be sold to Poly-				agreement with Bio-Response N	Dec	17	21	Wintershall Gas & Oil - IMC's Oil and			
cast Technology N Plastics division sell-off is a big	July	30	7	Venture Economics —. Venturing entices chemical makers (chart)	Nov	12	23	Gas Div. to be bought N	July	9	5
gain for Polycast (chart)	Aug	6	16	chemical makers (chart)				Wistar Institute of Philadelphia — Argentina halts tests of bovine rabies vaccine: Policy			
Tire unit merger complete, Uniroyal	Aug	10	16	Div. will buy Vestal	Nov	12	20	hitches halt biotech tests	Dec	3	14
Goodrich Tire is born	Aug	13	17	for drug delivery	July	30	26	DNA probes: Gene-Probe joins with	Aug	6	41
Uniroval Chemical acquired by Avery				Vetro Umbria — Inca International, joint				Wistar N Witco — The discriminating quest for direc-	nuy	0	
subsidiary	Nov	12	20	venture with Enichem Fibre	Dec	3	24	tors: Burns, a phone company executive	July	2	28
action suit settled H	Dec	10	18	ington's propatent court, CAFC	Dec	24	15	Skin-treatment products	Dec	24	21
Synthetic rubber joint venture in Europe	Dec	3	5	Vi-Pann Chemicals - Non Meth, paint				of a corporate name change	July	23	41
with EnichemN Uniroyal Goodrich Research Center —	Dec	3	3	stripper to replace methylene chloride: Safer, but will they cost more?	Oct	1	12	wood Mackenzie & Co. — Gregory com- ments on ICI and Enterprise's merging			
Baranwal comments on Battelle's new		07		Safer, but will they cost more? Vista Chemical — BP Performance Poly-			-	of oil and gas interests N	Dec	24	31
transparent elastomer Uniroyal Goodrich Tire — New company	Aug	21	52	mers, PVC compounder, to be acquired from BP	Do	c 17	5	Woodward Clyde Consultants — Merger with Atkinson: Hazardous waste man-			
from tire units merger	Aug	13	16	Cain, Gordon A., chairman, calls it quits;	001			agement report	Aug	20	29
United Catalysts — Spent catalysts seek a resting place	Dec	10	44	successor will be Sam F. Segner; two new board members chosen N	0-	29	5	World Class Genetics — Genetic conver-			
United Engineers & Constructors — Ac-	000	10		Files for public stock offering N	No			sion to improve the herd	Nov	19	25
quisition of certain operations of Steams	Sept	24	22	Refinancing, consolidation N	Au	g 27	7	new transparent elastomer: A new see-			
Catalytic World N Buys domestic operations of Stearns	зер	1 24	22	Vista takes its profits public	No	v 19	11	through rubber looks for work	Aug	27	52
Catalytic	Dec	10	18	Vista Polymers — Merged into parent com- pany. N Restarts a specialty PVC compounding	Au	9 27	7				
(formerly USS Chermicals) — Completes				Restarts a specialty PVC compounding		y 16					
purchase of CFC Co.'s Continental Fiber-				unit	Jui	y 10	, 17				
glass Div	Sep	t 17	19	cal makers (chart)	No	v 12	23				
phosphate reserves in Florida sold to				hot disposal options: "rocking kiln"	Jul	v 9	45	X, Y, Z			
Agrico Chemical Oct 15-7, R	Oct	15	16	hot disposai options: "rocking kiln" Vulcan Chemicals — Caustic potash: A well-supplied market attracts bold new	-	, -		۸, ۱, ۷			
U.S. Ethicals — Rhone-Poulenc's U.S. strategy	Oct	15	10	well-supplied market attracts bold new	Ju	y 2	2 8				
strategy U.S.I. Chemicals — HDPE pricesN	Sep	t 3	51	Perchloroethylene overcapacity: four	Ju	y 2	. 0	Xoma — Monoclonal antibody: New drugs	_		
Methanol suppliers wait out hard times (chart)		13	36	producers left as Du Pont pulls out	Ju	y 16	6 9	to fight septic shock	Dec	0 3	44
National Distillers' push for the top in	Aug	13	30	Vulcan Materials — Methylene chloride	Se	pt 10	0 17	process use	Der	c 24	30
polyethylene: acquisition of Enron				prices	-			Yacimentos Petroliferos Fiscales — Energy protocol signed by Argentina and Brazil. N	A	6	36
Chemical (chart)	Oct		8	management report: Technology — Mobile treatment	Au	g 20	0 59	Yarsley Technical Center — Fluorine com-	Aug	, 0	30
Purchasing managers extend their reach	Aug	27	48	moone treatment	740	9 20	0 35	pounds will be supplied N	July	y 16	22
USI Far East — PE plant in Taiwan will use the Unipol process	000	29	27					Yenkin Majestic Paint — Coatings '86 —	Oc	22	30
U.S. Steel — USX Corp., new name: The		29	61	\A/				report (charts & tables)	00		
chemistry of a corporate name change	July	23	41	W				"Biotech 86: At the Crossroad," new	De	c 3	9
U.S. Steel see USX Corp. USS Chemicals — Company community								study (chart)	De	6 3	9
relations: Facing up to the new challenge	July	y 16	28	Waite, Schneider, Bayless & Chesley -			-	rene, propylene oxide	Se	pt 17	
USX forms Aristech Chemical to which it will spin off nearly all assets of USS				Bhopal lawsuit begins in India	Se	ept 1	7 15	Propylene oxide plant for South Korea . N ZIM Energy — ChemClear to be acquired . R	Jul	y 23	3 45 9 17
Chemicals: A new name and indepen-				supplement contains EPA and DHA NF	Se	ept 1	7 34	Zambelli Internationale Fireworks Manu-		. 6.5	
dence	l Oct	22	5	Waste Management — Spinoff is dis				facturing — Chemicals help rejuvenate	to at	v 2	2 19
		c 10	5	Twenty-five years after Rachel Carson	ı Al	ug 2	0 17	Miss Liberty: A flashy Fourth of July Zink, John — Permit problems dampen	Jul		
USS Chemicals see U.S. Diversified Group's	3		-	- Viewpoint	A	ug 2	20 3	hot disposal options	Jul	y 9	9 42
Chemicals Div. Unitika — Japan's fiber makers seek marke	t			Waste-Tech Services — Hazardous waste management report: Technology —	3			Hazardous waste management report: Technology — Mobile treatment	Au	g 20	0 58
alternatives (table)	Oc	t 22	22	Mobile treatment	A	ug 2	0 60	Technology — Mobile treatment ZYMEtech — Microbes to the rescue	Oc		

